39-40

TECH-ART RECORD



THE TECH-ART RECORD

THE OFFICIAL STUDENTS' YEAR BOOK
OF THE PROVINCIAL INSTITUTE OF
TECHNOLOGY AND ART

SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY
ACC. 97-505 NO.
CALGARY

Volume 10, 1939-40

CALGARY, Alberta



I AM glad to have this opportunity, in response to the Editor's invitation, to send this message to the students of the Provincial Institute of Technology.

As technicians you learn a basic law which is of such far-reaching importance in the world of today, that I ask you to give a great deal of thought to it. I will express that law in these words: "That is right which works best." In other words, unless a machine, or a system of organization, for example, operates smoothly and performs the function for which it was designed, it is not right.

This law by which we can judge what we term "rightness" applies with equal force to human relationships and social systems. If we look at the state of the world at the present time, we are forced to recognize that its social systems are working anything but well, and must therefore be wrong. On every hand there is a growing realization of this. Vast changes are looming.

Your technical training will equip you to face these facts and to apply the same fundamental principles you would employ in dealing with an engineering problem to the great social problems upon the solution of which the fate of our civilization depends.

That is the thought I want to leave with you. Many of you will be graduating during the coming year. Whatever positions you fill, you will be entering the service of Canada during one of the most critical periods in history. The world of tomorrow will be what you make it and if you believe that, there is nothing you cannot accomplish.

And that is equally true of you who will follow them later — for in the new world order which will emerge from the chaos and confusion of today, men and women of experience and knowledge will be wanted. It is for that you are preparing yourselves.

WILLIAM ABERHART



IT scarcely seems possible that a year has passed since I wrote a farewell note to the 1938-39 graduating class. Many things have happened since then, chief of which has been the declaration of war, which has put Canada into the great world conflict.

The import of this struggle of the Titans remains to be seen. It is not conceivable that the result will much affect the status of Canada in a derogatory way. While the war will have to be paid for and all must bear a share of the great expense the whole experience may result in the opening of a new day in Canada. Many will migrate from the war weary centres in Europe, and Canada offers unexcelled opportunities for future careers. The great unworked natural resources of Canada may come into a period of rapid development. It is a great time in the history of Canada to be young and fit and ready to participate in this period of growth.

I am sure that all thoughtful young people in Alberta will appreciate these opportunities and will not make the mistake of failing to get a thorough education and a training that they may take their proper places in the brilliant future that lies immediately ahead.

To all who have been associated with the Institute of Technology and Art during the year 1939-40, may I extend greetings, good will and best wishes.

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THE INSTITUTE

"TO train Mechanics is not the chief function of the Institute." These surprising and unexpected words came from the lips of Dr. W. G. Carpenter at a staff meeting held a few years ago. Periodically the Doctor finds it necessary and desirable to state to the members of our ever-growing staff the aims and objectives of our work, to recall its underlying philosophy, and to pass pithy comments an what he considers desirable or undesirable methods of approach. On the occasion mentioned above he followed up his first devastating sentence with a second and more illuminating one: "The primary purpose of the Institute is to train young men and women." These two statements taken in conjunction show where the emphasis is laid at the Institute — not necessarily away from the practical and the technical but rather towards the human and the personal. They account in large measure for the free-and-easy type of discipline which is in vogue, for the notable absence of written rules, and for the large element of trust which is placed upon the individual students. Only by placing a large share of responsibility on the shoulders of young people can a sense of responsibility be developed. One note-worthy feature of life at the Institute is the friendly relationship that exists between the staff and the students. In a sense this mutual respect is symbolized by the Annual Banquet where instructors and instructed meet as a happy family, place their feet under a common table, blend their voices in class yells and community singing, and humorously gibe at each other's frailties and short-comings — all in a spirit of good fellowship and camaraderie.

Far be it from anyone to belittle the technical knowledge and the mechanical skills which are developed in the class rooms, the laboratories, and the workshops of the Institute, but along with them and far transcending them in importance is the training which we attempt to give in such fundamentals as honesty, integrity, reliability, co-operation, initiative, leadership, and so forth. The practical trades and crafts which form the basis of our various courses are important in themselves but are still more important as the media through which these desirable personal qualities may be developed. In this complex industrial age knowledge and skill alone are not sufficient. They must be supplemented by those other characteristics which enable a person to get along with his fellows and to integrate himself with his environment. "No man liveth unto himself," is truer today than ever.

To develop and polish the many facets of the student's character the regular work of the school is supplemented by a great variety of extra-curricular activities. By means of sports and athletics the student may develop the proverbial sound body for his sound mind, and at the same time he may learn the value of team-work and co-operation, and the necessity of subordinating self to the good of a cause. Self-expression finds an outlet through music, dramatics, and various forms of literary work. Social evenings, club work of many kinds, and the annual banquet cater to the gregarious instinct and give excellent training in planning and carrying out co-operative enterprises. By means of these and similar devices do Dr. Carpenter and his staff, working with and through their students, attempt to establish worthwhile traditions at the Institute.

To what extent are these efforts meeting with success? This question may be answered by considering the large number of ex-students who appear to be doing well in the workaday world, who are giving valuable leadership in their various communities, who appear to hold the Institute in high regard and who return to visit it as frequently as occasion permits, who recommend it to their friends and acquaintances, who during the brief days of their honeymoons bring their brides to visit the scenes of their student days, and who presumably in days to come will send their sons and daughters to follow in their footsteps at the Institute.

J. FOWLER.

OUR PART

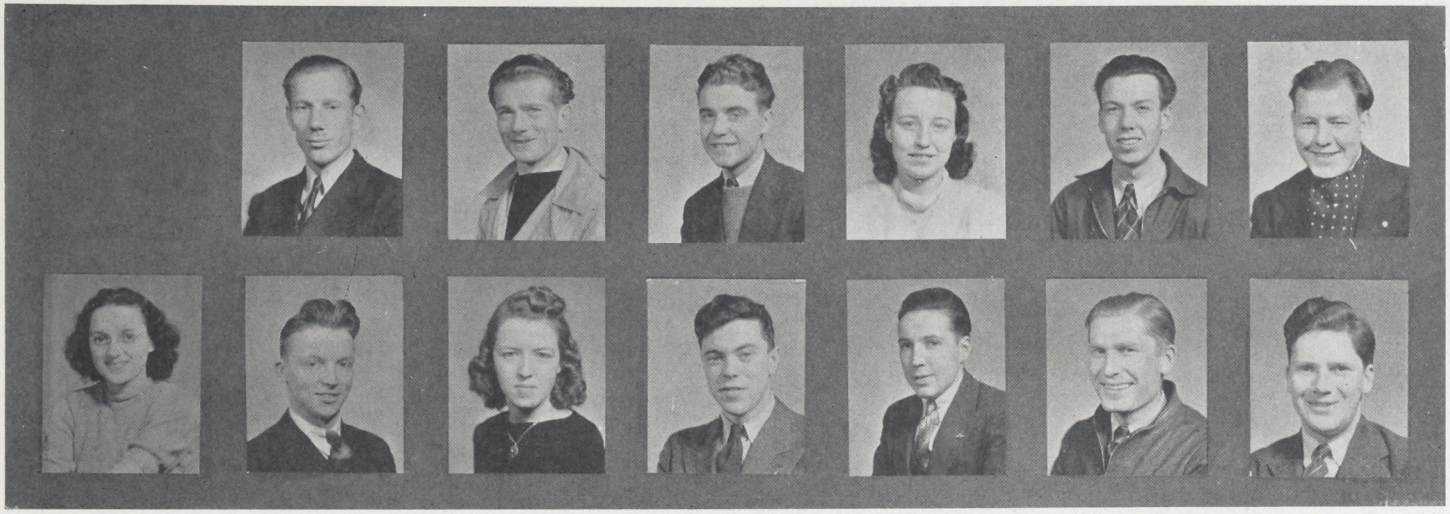
GREAT BRITAIN on the second day of September, 1939; declared herself to be at war with Germany. This action was closely followed up by Canada. The fight is one as ageless as time itself, with liberty, truth, and justice on one side; oppression, greed, and treachery, on the other.

We all feel as citizens of this Dominion that we should like to aid in so worthy a cause, yet we all are not privileged to do so directly. However we can serve and do so nobly without going into uniform as much as every loyal-minded habitant of this country would like to.

As students of a Technical Institution of the highest calibre we should not fail to recognize that here is where we can begin "to do our bit." A specialized training is being offered to us every day that we are here; we should make the best of it and set proficiency and accuracy ahead of all obstacles, in no matter what may be set for us to do.

After this conflict is over it will fall to us to begin the reconstruction of our civilization. Then the cry for aid will come to us thrice as strongly; as it is going to sap Canada's strength more than ever to rebuild a firm foundation for future generations. In this work we may prove our worthiness to serve as never before for here we will fight for the true survival of our civliization.

CLIFFORD ROY CROOK
440 - 11½ Street N.W.,
Motor G.IA.



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THE EMERY WEAL

THE EMERY WEAL is a periodical which is the voice of dear old Alma Mater, with thirteen years of existence and striving to keep on the path of success.

The Emery Weal consists of from four to eight pages of educational editorials, sports, scandal and student activities of the Institute, all of which is printed on high quality paper. The extra cost of printing such a paper involves the necessity of selling it at five cents a copy.

The feature of the year's publications comprises the Annual Graduation Banquet editorial, including some of the miscues that were made that night and were placed on the back page under the heading "S-c-a-n-d-a-l." Other features were the reports of the former organization, the Foo Fraternity and finally the big issue of the year which is at present on the press.

After several publications it was found that the sales were greatly increased by having the fairer sex on the sales staff.

Congratulations and thanks are to be given to the Staff Representative Mr. D. C. Jones, managers, editors and sales staff, for their strenuous efforts and time given to make the Emery Weal a success. There has never been a dull moment for our staff members, staff representative and editors-in-chief, when the paper is being censored before going to press, but on looking back they can all say the time and trouble was well worth the experience.

Fortunately the Emery Weal this year, due to its fine co-operation from the student body and its advertisers, has been a financial success, surpassing those of previous years. We all can say that Volume 13 of the Emery Weal is a job well done, thanks to the many who helped it on the road to success.



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EDITORIAL

NINETEEN HUNDRED AND THIRTY-NINE saw some remarkable achievements in the technical field. In May the Trans-Canada Airlines was inaugurated, culminating years of organizing and engineering effort. In other countries there has been equally amazing work done in aviation.

Two Canadian engineering students built an ultra-microscope, using atomic bombardment to photograph extremely small objects and magnify their images to a visible size.

In chemistry, wonderful results have been obtained through patient and careful research. Only one of the thousands of discoveries was "sulfanilamide," the dye that halts the scourge of strepticoccic infections. Another branch of chemistry has developed thousands of plastics, which will be important in all future industry.

Then into the midst of all this technical progress stalked the grim god of War. Overnight the whole scientific picture darkened, and men now divert all their energies to devising better means of destroying each other.

It is not for us to present a treatise on the evils of war. The problem in hand is the successful completion of a task begun ,and the removal of a rapacious, cowardly menace from society.

This Year Book is dedicated to all Canadians who have offered their services to aid our country in her part in this war. It is particularly dedicated to the "D.P.'s," those students among us who are registered under the Dominion-Provincial Government Youth Training Scheme, and are preparing themselves for places in the Royal Canadian Air Force. The tremendous response to the call for volunteers for this work showed the willingness of young Canadians to help in the national emergency, and we are impressed with the fine spirit of the boys as they go about learing their trades. Looking at the work they turn out, one realizes that in spite of their light-hearted appearance, and frequent outbursts of just plain noise, the D.P.'s are striving seriously and carefully.

Naturally there are others besides these who are working to help our country in her war effort. All of us have a part to play as skilled technicians in supplying our share of needed materials. But primarily our dedication is to the Dominion Provincial Government Youth Trainees. So, "Salute, to the D.P.'s."

J. D.

FROM OUR OWN DICTIONARY

CHIVALRY — The high resolve of every man to protect every woman against every other man.

BIGAMY — A form of insanity which causes a man to pay three board bills instead of two.

SCIENTIST — A long bearded old chap who tries to discover life on the planets, but who doesn't go in for much of it here on earth.

HUG — A roundabout way of displaying affection.

THE "D-P" CLASSES

THE special courses of training for the Royal Canadian Air Force, under the Dominion-Provincial Youth Training Plan, commonly referred to as the "D.-P. Classes" are a new departure in the activities of the Institute. They were organized under the auspices of the Aero. Department as the result of conferences between representatives of the Dominion and Provincial civil authorities and the R.C.A.F., and are jointly financed by the Dominion and Provincial Governments.

Although courses of training for the R.C.A.F. under this plan are now in operation in most of the Provinces, the Institute, and the Province of Alberta, has the honour of being the first off the mark. The first class was organized on June 6, 1939. This was limited to students who had already completed satisfactorily the regular two-year course in Aeronautics. There were forty-one enrolled students, of whom three were medically rejected and dropped out, of the balance thirteen joined the R.C.A.F. and twenty-five secured employment in Canadian and British aircraft factories, several of them in the drafting rooms.

The next course was organized on July 24, and included classes for Engine Fitters, Riggers, Electricians and Wireless Operator-Mechanics. Well over one hundred students reported for these classes, but thirty-two were medically rejected and four others failed to complete the distance. Of the balance sixty-five have now joined the Service as aircraftsmen.

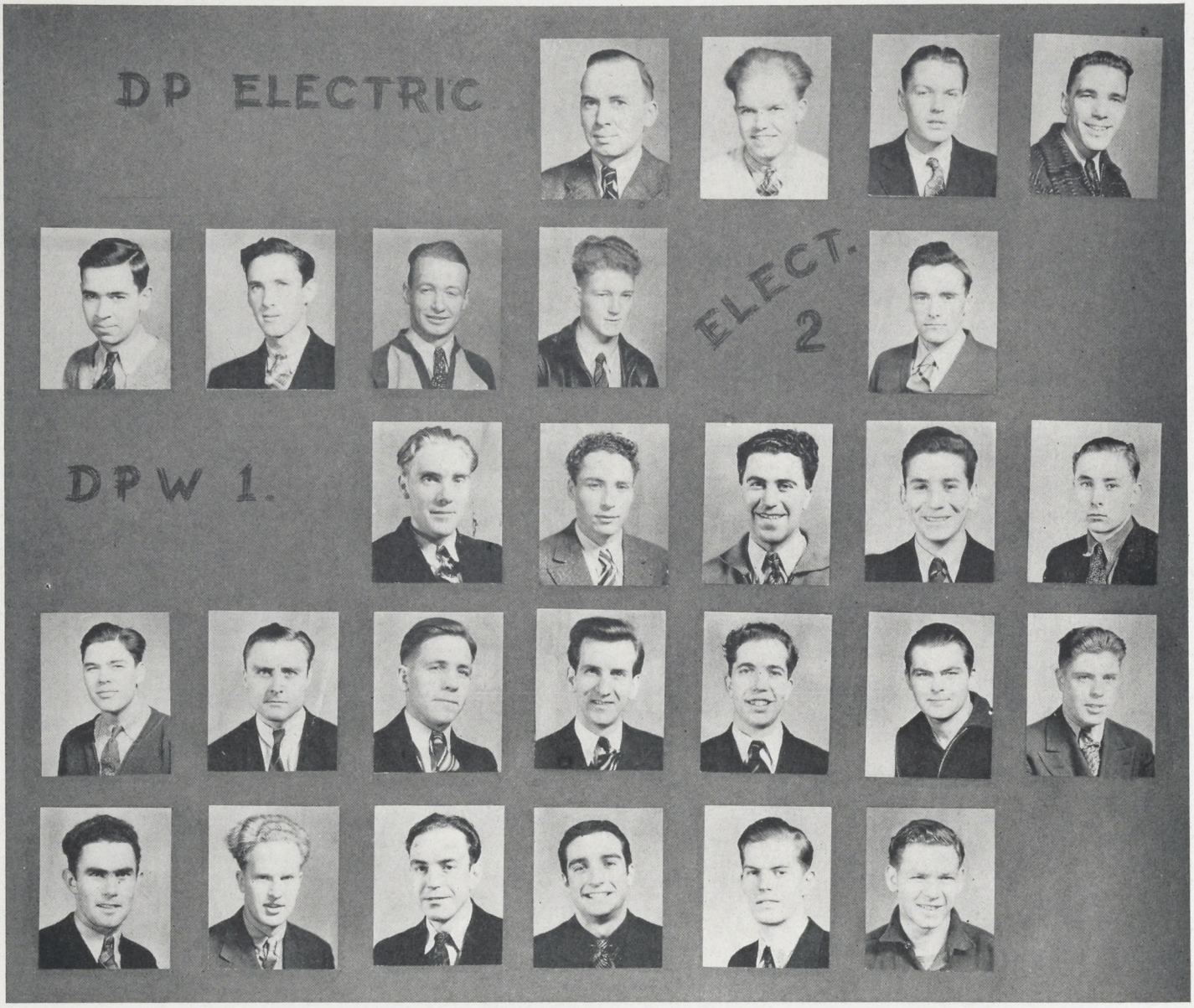
A third course went into session on November 6, ninety-four students reporting for classes for Engine Fitters, Riggers and Wireless Operator-Mechanics. Of these, fourteen were medically rejected, six have dropped out, ten have already joined the R.C.A.F. and sixty-four are still in training.

Up to the present two hundred and forty students have reported for these classes, of whom one hundred and fourteen have completed the training. The R.C.A.F. have accepted eighty-six of these, and twenty-seven have secured employment in aircraft factories.

The work in all classes has been characterized by exceptional keenness and enthusiasm. Remarkable progress has been made, and the R.C.A.F. authorities have been most favourably impressed with the quality of the men and the standard of their workmanship. In this respect we do not think the achievement of the "D.-P. Classes" organized at this Institute need take second place to that of any of the other Provinces.

The key to this success undoubtedly lies in the excellence of the instructional staff, and the way in which they have worked to keep things moving. Every member of this staff may congratulate himself for having done a very thorough job of work for the "D.-P." trainees, for the reputation of the Institute and for the Empire's war effort; and it is a sure thing that every member of the classes they have so ably lead will carry away withhim into the future grateful memories of those who launched him upon the road to technical skill.




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ELECT. 2
DPW 1.

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Red Cliff

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Edmonton

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Lethbridge

R. D. KENNEDY
Calgary

D. C. MILLS
Edmonton

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Drumheller

A. D. THOM
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B. WARD
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Erskime

R. D'AMICO
Nanton

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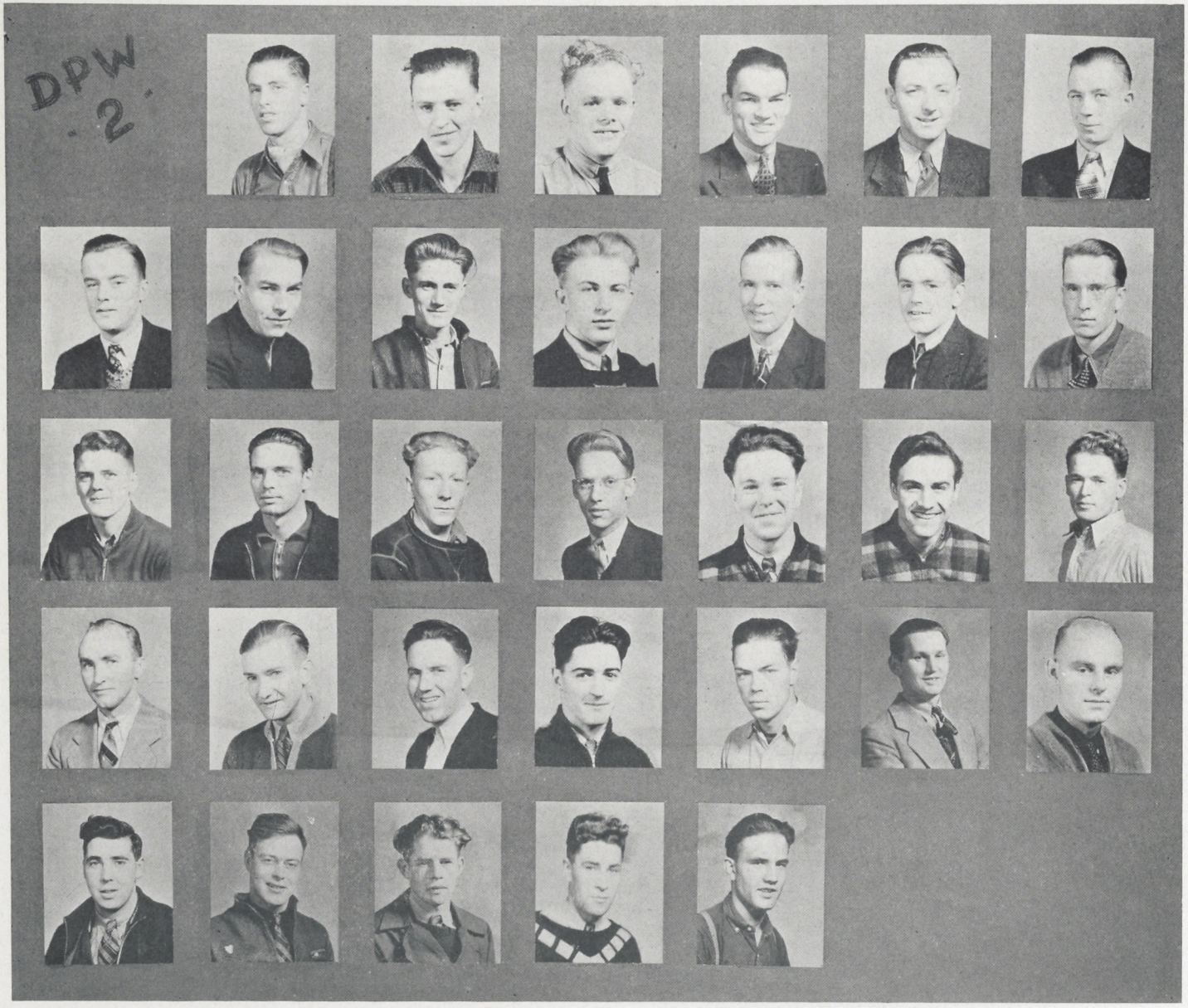
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2

D. P. W. 2

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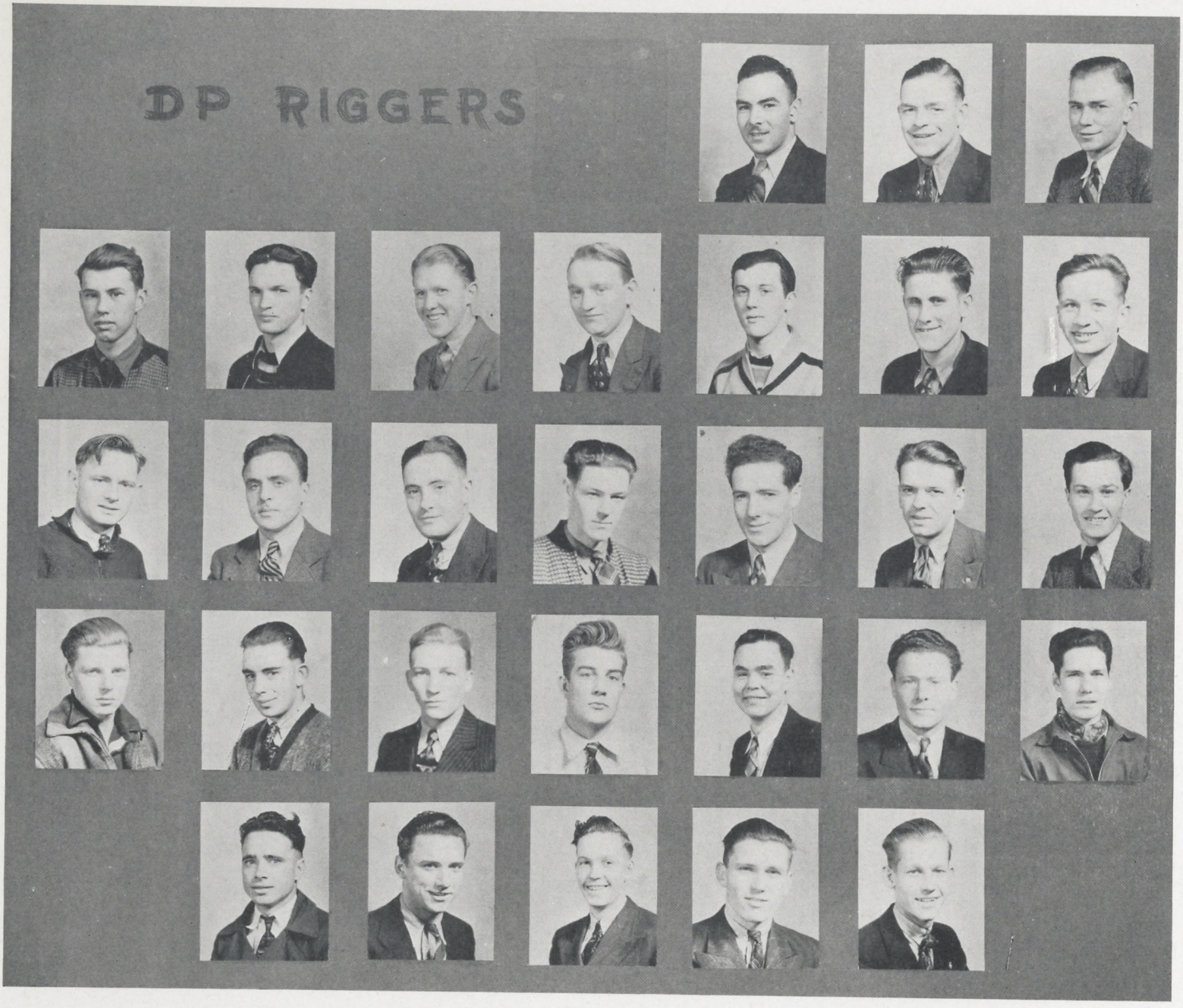
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D. N. SMITH
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Moose Portage

H. WITWER
Acme



AERONAUTICAL DEPARTMENT

THE year 1939 was a great year for the Aero. Department, and, as these lines are being written, 1940 promises to be equally active and eventful.

The regular First and Second Year Classes, comprising sixty-nine students with an additional four special Third Year students, concluded on June 23rd, 1939. The first special course of training for the R.C.A.F. under the Dominion-Provincial Youth Training Plan was organized immediately. This course was open only to students who had satisfactorily completed the regular two-year course in Aeronautics, and thirty-five trainees were enrolled. It consisted of an intesive three month's course in shop work for Aero. Engine Fitters only. On July 24th the first regular course of training for the R.C.A.F. under the D.-P. Plan was commenced. This included classes for Engine Fitters, Riggers, Electricians and Wireless Operator Mechanics. In all, one hundred and five trainees were enrolled, but medical rejections reduced this number by about forty per cent. On October 17th the second regular course of R.C.A.F. training was inaugurated, with an enrollment of ninety-six, of whom sixteen were subsequently rejected as medically unfit.

At the time of writing there are one hundred and twenty-one students receiving instruction under the auspices of the Aeronautical Department. Of these seventy are undergoing special training for the R.C.A.F. as Engine Fitters, Riggers, Wireless Operators and Electricians, fifty-one are taking the regular course in Aeronautics.

Since the regular two-year course ended in June of last year, ten ex-students of the Department has secured positions with Short Brothers Ltd., of Rochester, Kent, England, builders of the famous Imperial Airways flying boats, while another has joined the Westland Aircraft Co. Ltd., of Yeovil, England. Thirteen more have secured employment in the Fleet Aircraft Co. factory at Fort Erie, two are with the Fairchild Co. at Longueil, Quebec, and one with the Pratt and Whitney Co., aircraft engine manufacturers of Montreal. It is very satisfactory to know that all these ex-students are doing well in their new jobs and upholding the reputation of the "Tech."

In addition, seventy-four trainees have joined or are about to join the R.C.A.F., since the courses of training under the D.-P. Plan were put into operation. In every case the trade tests were passed satisfactorily and the men were enlisted as skilled tradesmen.

With the rapid growth of the Aeronautical Department during recent months a number of additional instructors have joined the staff. To these I should like to extend a welcome, and to express the hope that their association with the Department may be prolonged and mutually beneficial.

Arrangements are at present under consideration for the enrollment of new classes for the training of mechanics for the R.C.A.F. and it is expected that this work will be enlarged and developed. That these plans may materialize, and that the Aero. Department may continue to make a useful contribution to the Empire's war effort is to be sincerely hoped.

In conclusion, may I wish every member of the Aero. Department "Good Luck and Happy Landings!"

A. A. PEEBLES,
Chief Instructor.

EDITORIAL

THIS year we are offering you a brand new Year Book — a new book and a new policy. You have probably already noticed the lack of biographies. If you had read them as I had to — well, your reaction would have been the same. Four hundred handsome boys meet four hundred charming ladies. You know the rest. So this year everyone is treated exactly alike — your name and your address.

We have had no small amount of trouble using up this extra space and can only hope that our efforts have pleased you. In this year's book you carry away with you a complete account of what each of you accomplished in your training, the way you worked and the way you played, and we have presented them in a way that everyone can see — in pictures. We are offering each of you the privilege of taking your family and your friends on an inspection tour of the Institute buildings through the medium of the camera's eye. So there you have it, gentle reader. We are proud of our efforts, may you be proud of your Year Book.

To those of you who are leaving us for service with Canada's armed forces, to you in particular do we offer our best wishes. I wonder if McCrae realized how true his words were when he said:

"To you from failing hands we throw the torch—
be yours to hold it high."

How proud he would be if he knew how quickly Young Canada reached—grasped it—and high will hold it too. Our only prayer will be that the next Young Canada will not find it necessary to carry our torch through bloodshed as we are doing, and as our fathers have done before us. This is your job—you soldiers of the King, so do it well.

There is another burden to carry—by those who stay behind—nor is the task a light one. Skilled technicians are required—yes and demanded, to keep the steady stream of material pouring into the inferno in Europe. So you see we are serving too. We are all serving, so that we may say to our Young Canada, "To you from failing hands we throw the torch — be yours to hold it high."

G. H.



AERO 2

G. B. ASSELSTINE
Calgary

D. BOWEN
Royalties

R. BROWN
Calgary

G. CAITHNESS
Didsbury

P. DOSKOCH
Bruderheim

E. DUBBER
Calgary

H. W. JOHNSON
Calgary

W. F. LUXTON
Banff

W. E. MULLER
Munson

G. H. PEOHLMAN
Edmonton

I. B. SHAW
Calgary

A. SHAPIRO
Calgary

K. TOMPKINS
Coal Valley

T. WALWORK
Humboldt, Sask.

B. WAYNE
Calgary

K. RIGBY
Swalwell

W. DOWNEY (Aero 3)
Strathmore


AERO 1

AERO 1

J. R. BATEMAN
Calgary

N. C. BOWSER
Edmonton

W. CAMPBELL
Burdett

D. J. CAVERS
Calgary

W. G. CLENNETT
Westlock

J. DORSEY
Innisfail

J. DEVEREAUX
Mirror

G. A. GALBRAITH
Vulcan

I. HAY
Irricana

W. N. HEGY
Airdrie

J. HODGSON
Calgary

J. HOLOSGO
Calgary

G. F. HOOD
Medicine Hat

C. D. HOWARTH
Calgary

J. G. HUMPHRIES
Calgary

K. JACKSON
Lethbridge

C. E. JEFFCOTT
Nelson, B.C.

W. G. JOHNSON
Okotoks

W. M. KLOMPAS
Andrew

D. LAIT
Calgary

J. S. LYONS
Calgary

J. A. MACDONALD
Warspite

J. E. MacDONALD
Edmonton

C. C. McILVRIDE
Calgary

E. MOFFAT
Lethbridge

D. NASH
Calgary

D. ROWLEY
Rockfort Bridge

T. SHAW
Ogden

J. R. SMITH
Edmonton

W. A. Spencer
Calgary

L. F. SWAN
Calgary

V. H. TRUITT
New Westminster, B.C.

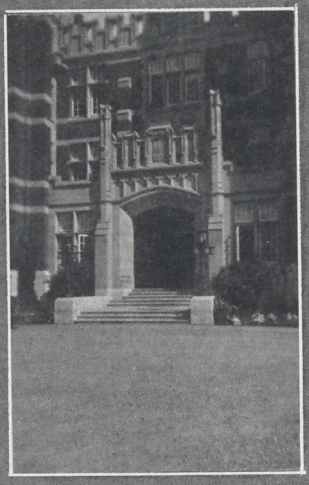
R. L. WEBB
Calgary

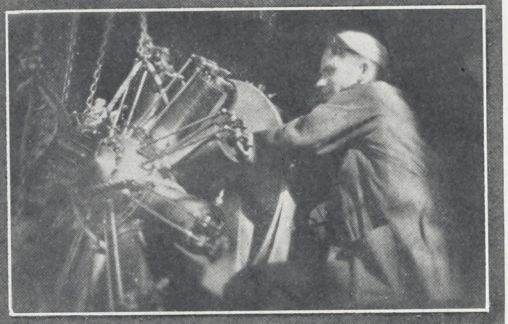


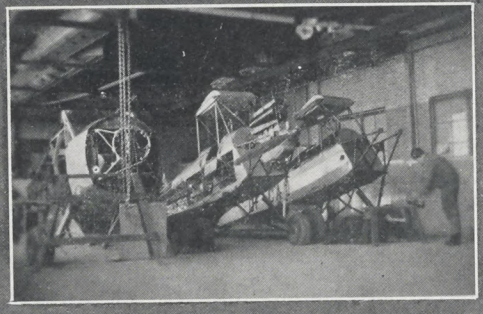




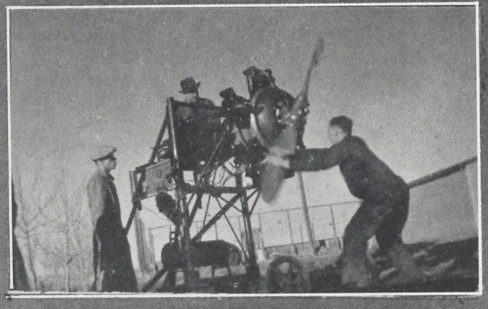














DRESSMAKING AND MILLINERY 2

J. EVANS
CALGARY

M. GLAZIER
CALGARY

E. HELTON
THREE HILLS

A. HOLOWAYCHUK
CHIPMAN

L. KANE
LOCKWOOD, SASKATCHEWAN

M. KEIM
CALGARY

L. LUNG
CAYLEY

F. LARUE
CALGARY

Y. MANARY
CALGARY

T. ROLLAG
WRENTHAM

H. RICKS
CALGARY

M. SCHULDT
CALGARY

A. SCHMIDT
CALGARY

E. WILLIAMSON
CALGARY

DRESSMAKING DEPARTMENT

THE year has been a busy one for our girls. Besides their practical work they have entered enthusiastically into the plays produced by the Dramatic Society, and the Operetta given by the Choral Society. Many offices in the various organizations are held by girls and while at times it would appear that too much had been undertaken there is no doubt that valuable experience is gained in these activities.

A practical education today does not mean the earning of a living alone. Besides her vocation, a girl has many interests. She has for instance the problem involving a knowledge of art, such as the decoration of the home, the selection of clothes and the beautification of her surroundings. Be it city, town or country, she is confronted with the need of choosing books to read, music to appreciate and pictures to enjoy. She must in addition perform the duties of citizenship, religion, morals and manners. To help her meet these problems a well-rounded course has been provided.

In times of stress when women's minds and hands are occupied with tasks which concern the comforts of their men preparing for battle our girls are not unmindful of the duties which they may be called upon to shoulder. In a St. John's Ambulance course held in the evening, girls are learning the way bandages should be adjusted and how to render first aid in cases of emergency. Since girls with a training in textiles are preferred by manufacturers of knitted garments, many will serve their country by knitting socks and garments for our soldiers. Others will no doubt fill positions in stores left vacant by young men who have enlisted.

My message to the classes who are leaving the school is: "Give to the world the best you have and the best will come back to you."

C. E. SMITH,
Chief Instructor.


D & M 1

DRESSMAKING AND MILLINERY 1

E. CHRISTINSEN
Black Diamond

B. CLARK
Calgary

S. COUCHMAN
Albert Park

M. DAVIS
St. Cloud, Florida

I. DIXON
Clandonald

W. ELLITHORPE
Sundre

P. ALDOUS
Lethbridge

B. FLAIG
Hilda

E. HELTON
Three Hills

M. JACKSON
Sundre

B. IRELAND
Calgary

R. KAISER
Red Deer

E. LAHNERT
Blackie

M. MacDONALD
Calgary

J. McBRIDE
Arrowwood

M. McCOY
Calgary

E. McGREGOR
Calgary

M. MUNRO
Sedgewick

L. PADGETT
Bellevue

H. REIP
Irricana

M. SKENE
Calgary

J. SNELL
Red Deer

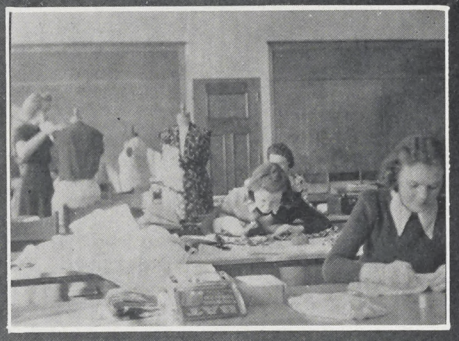
S. WARD
Arrowwood

M. WHITEHEAD
Calgary

W. WOODWARD
Irvine

















DRAFTING DEPARTMENT

IN this mechanical age drafting is very necessary as a part of production and has definite commercial value. Every machine or piece of construction of any importance is first designed and drawn on paper. Some students are planning to spend a major portion of their time and effort at drafting while the aim of others is largely to understand the fundamentals of this universal language. The work of the Drafting Department consists of two definite sections, the Vocational for students who wish to specialize in drafting, and the Related Drafting, a subject for students in other departments of the Institute.

The Vocational work is given in three two-year courses: I. The Architectural, now called "Building Construction and Drafting" course is offered to students who wish to specialize in work related to the building trades. Their major interest is divided between building construction with wood, shop work and the building drafting, Mr. M. J. Tomlinson is in charge. II. The Mechanical Drafting, with emphasis on machine drawing, under the direction of Mr. D. C. Jones, and III, the Survey Drafting, under the supervision of Mr. L. E. Harris. This year we have had a total of fourteen First Year and eight Second Year students in these classes.

The related drafting work is given to students in Aeronautics, Motor Mechanics, Machine Shop, Electrical and Radio classes. The First Year Drafting consists of general fundamental work in mechanical drafting and freehand shop sketching, while the Second Year work deals with special drawing related to the particular departments. This year we have had seven First Year and five Second Year classes, with a total of over one hundred and seventy students. Frequently students who have taken this work have found it much to their advantage to be able to do some drafting.

L. E. PEARSON,
Chief Instructor.

MACHINE SHOP

IT would appear that the war has given a much needed stimulus to Day and Evening Courses in Machine Shop Practice, as the number enrolled in this courses is larger than for many years past. A recent article published in the Readers Digest by a leading executive of the General Motors Corporation would support the view that machine shop practice is so fundamental and basic in its application and development that it is a most desirable foundation for any of the mechanical trades or professions.

The regular Day Course is of two years duration, the student spending half of the time in the shop and the remainder in the classroom studying such subjects as drafting, theory, mathematics, physics and chemistry.

In the shop the work is confined almost exclusively to actual jobs supplied from other shops in the Institute. It is felt that students will acquire industrial attitudes and practices far better by doing real jobs than by doing exercise work or pseudo jobs. An endeavour is made to develop skill in the use of bench tools, in drilling, shaping, lathe work, milling and grinding, babbitting, simple heat treating, electric and autogenous welding, and in machine shop work generally. In addition, an effort is made to supply that background of information so vitally necessary in machine shop practice which enables one to perform processes and to operate machines intelligently, and which cannot be obtained in the regular way by merely working in a shop. Our policy has always been to lay a solid foundation of such information and knowledge as will enable the average student to later develop into a skilled mechanic, greater speed and increased skill being acquired by further experiences elsewhere.

Many of our graduates secure positions in machine shop work, some even setting up shops of their own. Others have gone into steam power plant work and latterly, some have enlisted in the R.C.A.F. as armament artificers and machinists.

E. W. WOOD,
Chief Instructor.

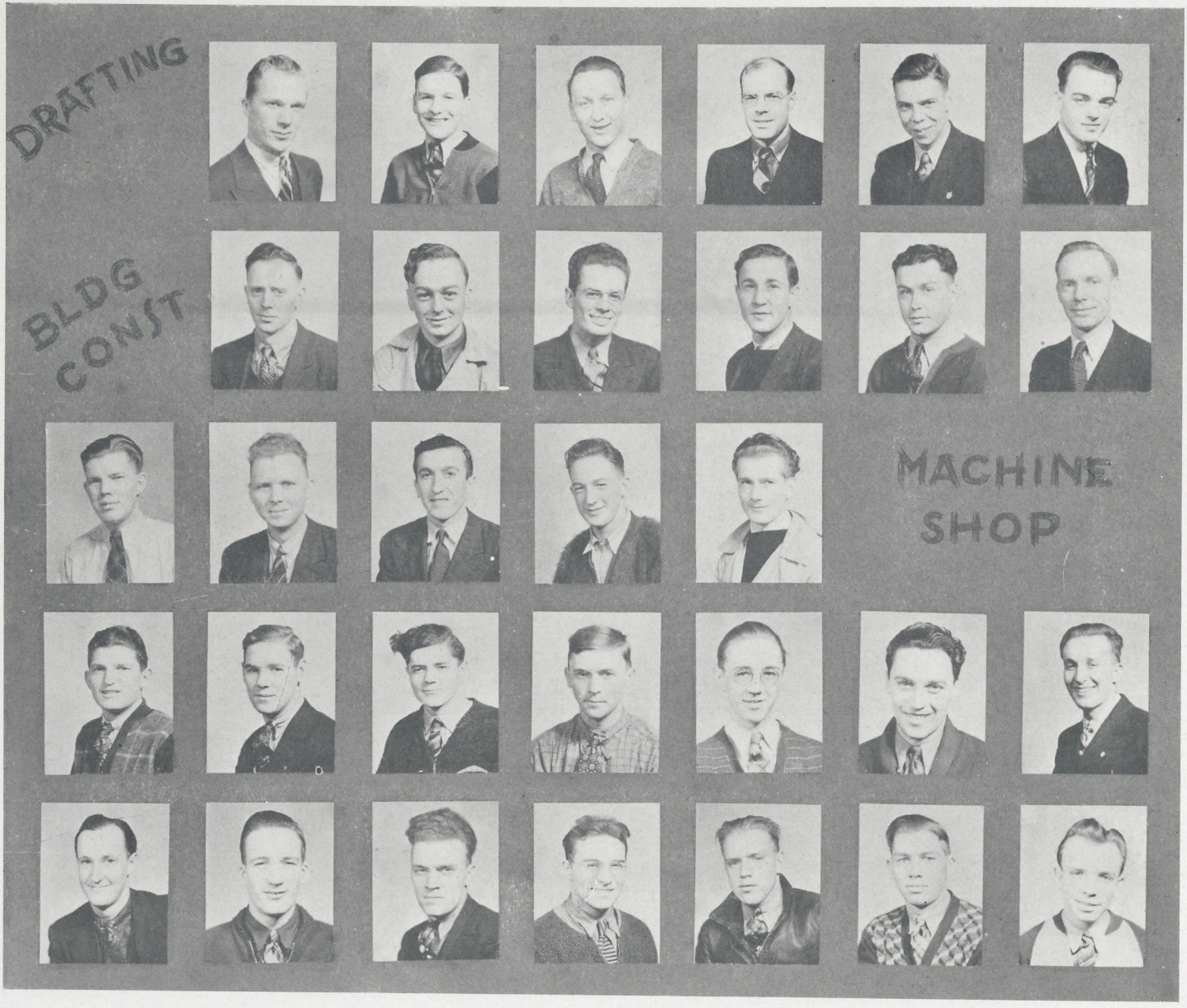
BUILDING CONSTRUCTION

THE time is approaching when young, trained men will be greatly needed in the building industry. Time was, when the apprenticeship system just about kept the balance between the demand and supply of skilled and semi-skilled men for the trades. But today this is no longer the case; nor has it been for some years, due largely to depression conditions and perhaps in some measure — though this is doubtful — to a so-called white-collar psychology among modern young men which made other lines of business seem more attractive. In many of the trades the apprenticeship system is as dead as the Dodo. Particularly is this seen with respect to the woodworking sections. The system depended greatly on getting its trainees young, and that has not dovetailed well with our public school systems.

In helping to supply the present and future need for trained mechanics, technical schools have an ever-increasing responsibility, which has been actively participated in by our own institution. Had it not been for the present war, the demand for trained men in the trades must soon have become urgent; a demand that will not, in my opinion, be less when the smoke has lifted. It has been said that opportunity knocks but once and passes on. To those people, however, who have a successful background of technical knowledge and training, opportunities are continually appearing, and but seldom are the services of a skilled man left unappreciated.

The men who come to our school are usually of a higher than average type, and the statement is definitely true of the present building construction classes. It is a pleasure and privilege to work with them. May their tribe increase, and may their stay be long in the land.

M. J. TOMLINSON,
Chief Instructor.


DRAFTING
BLDG CONST
MACHINE SHOP

MECHANICAL DRAFTING

G. McNEIL
Medicine Hat

R. A. C. GOODISON
Calgary

Q. J. ALLAN
Calgary

J. HARDY
Irvine

A. W. HAYNES
Calgary

G. SINCLAIR
Calgary

BUILDING CONSTRUCTION

J. BECKWITH
Lousana

G. BRIED
Calgary

A. H. COWEN
Hughenden

C. J. DARKE
West Summerland, B.C.

E. LAZORUK
Rycroft

K. MADSEN
Dickson

D. PETRIE
Lethbridge

B. TVETER
La Glace, Alberta

O. J. TURRI
Kelowna, B.C.

G. J. WALTERS
Camrose

J. WHITHAM
Edmonton

MACHINE SHOP

H. C. BOSS
Byemoor

W. H. CLARK
Calgary

C. P. MATHER
Calgary

C. W. UPTON
Fishburn

W. A. ATTRIDGE
Calgary

S. D'AMICO
Delia

S. GERMANIUK
Stony Plain

I. HUTCHINSON
Duhamel

W. JENKIN
Calgary

A. OAK
Elnora

G. THOMPSON
Elrose, Sask.

D. WOOD
Calgary

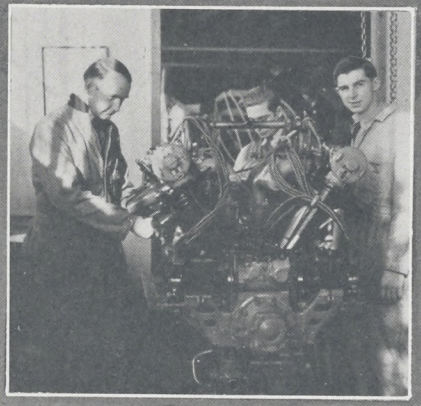
E. YEO
Nanton

T. SULLIVAN
Calgary



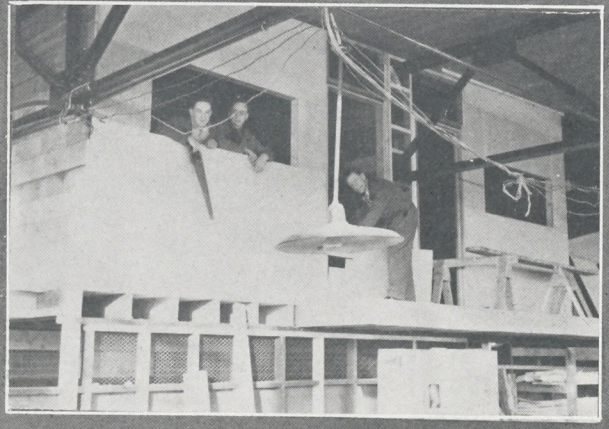


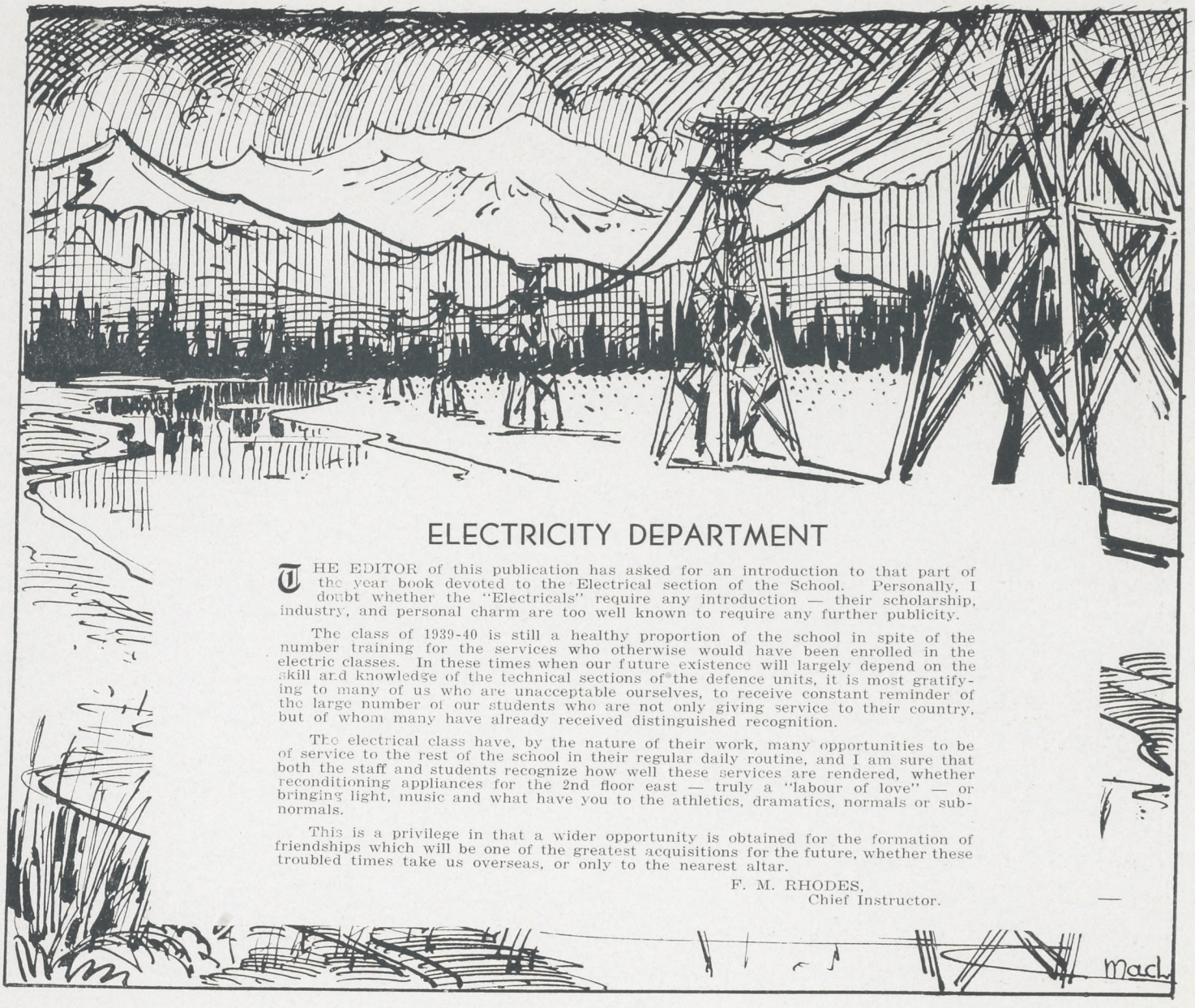












ELECTRICITY DEPARTMENT

THE EDITOR of this publication has asked for an introduction to that part of the year book devoted to the Electrical section of the School. Personally, I doubt whether the "Electricals" require any introduction — their scholarship, industry, and personal charm are too well known to require any further publicity.

The class of 1939-40 is still a healthy proportion of the school in spite of the number training for the services who otherwise would have been enrolled in the electric classes. In these times when our future existence will largely depend on the skill and knowledge of the technical sections of the defence units, it is most gratifying to many of us who are unacceptable ourselves, to receive constant reminder of the large number of our students who are not only giving service to their country, but of whom many have already received distinguished recognition.

The electrical class have, by the nature of their work, many opportunities to be of service to the rest of the school in their regular daily routine, and I am sure that both the staff and students recognize how well these services are rendered, whether reconditioning appliances for the 2nd floor east — truly a "labour of love" — or bringing light, music and what have you to the athletics, dramatics, normals or subnormals.

This is a privilege in that a wider opportunity is obtained for the formation of friendships which will be one of the greatest acquisitions for the future, whether these troubled times take us overseas, or only to the nearest altar.

F. M. RHODES,
Chief Instructor.



ELECTRICAL 2

T. M. McINTOSH
Calgary

H. ANDERSON
Raymond

T. E. ANDRUSCHUK
Fleet

W. D. BUSHELL
Calgary

G. A. BLISS
Glendon

J. A. BARNES
Calgary

W. G. DUKE
Vegreville

P. H. GIBB
Edmonton

W. A. HAMMOND
Calgary

E. L. HARKER
McGrath

W. T. HOWEY
Calgary

R. HILLER
Sedgewick

D. KRAMER
Duchess

D. LARSON
Strome

A. G. LETAWSKY
Lamont

W. G. MAXWELL
Medicine Hat

A. T. MILLER
Medicine Hat

E. T. NORTH
Blairmore

L. G. NELSON
Lethbridge

J. R. OGDEN
Carmichael, Sask.

J. T. SARGENT
Calgary

W. V. SINITSIN
Calgary

A. STEVINSON
McLennan

J. R. SMITH
Calgary

J. M. SHOWALTER
Calgary

C. SORTOME
Kimberley, B.C.

R. STORY
Edmonton

R. E. TAYLOR
Galehead

G. M. TYLER
Calgary

R. THOMAS
Calgary

E. A. UMBACH
Carstairs

R. H. UMBACH
Carstairs

T. E. WADSON
Red Deer

R. WHITE
Calgary

A. J. WILSON
Calgary



ELECTRICAL 1

E. GARNETT
Sylvan Lake

J. S. CLARK
Calgary

J. J. ABELSETH
Glidden, Sask.

W. J. AMBRY
Calgary

A. A. BERTHOT
Big Valley

G. BOISSONNEAULT
Calgary

R. BRANTON
Calgary

G. GIBEAU
Cluny

G. GRANT
Hillcrest

G. W. HOOD
Medicine Hat

P. J. JONES
Calgary

G. F. KITTO
Lousana

H. E. KUMLIN
Blackie

G. DAVIDSON
Calgary

S. WAKELYN
Calgary

D. R. MACADAM
Brooks

M. MACK
Bow Island

G. McCURDY
Vermilion

L. B. F. MILGATE
Calgary

E. C. MILLER
East Coulee

R. A. MILLER
Yorkton Sask.

W. E. MABERLEY
Calgary

J. PALATE
Lethbridge

J. W. SANDEN
Hassar

F. G. SMITH
Lethbridge

C. STRONG
Hilda

A. J. RHODES
Caroline

J. ROBINS
Calgary

J. ROGERS
Prince Albert, Sask.

D. ROSS
Olds

S. ROSSO
Calgary

D. THORSON
Okotoks

A. E. YOUNG
Tuberose

R. M. WEBB
Camrose

F. L. WIGHT
Calgary

THE CORRESPONDENCE DEPARTMENT

THE Correspondence Department of the Institute was started in 1916 to provide instruction for miners and mine officials desirous of obtaining government certificates as mine examiners, overmen and mine manager, and has continued without interruption from that date. In 1922 courses for Steam Engineers were added and the instruction now covers preparation for all grades of examinations for steam engineers and mine officials. Down the years about 4,000 students, ranging in ages from 17 to 70, and in educational background from none whatever to university graduation, have taken advantage of this instruction. The average of our student body is thirty-three and practically all are engaged in earning a living in mines and power plants.

The operation of correspondence courses differs greatly from day school instruction in many ways. There is not the same personal contact between teacher and student and the instructor must build up a mental picture of each student from the few historical details on his enrolment form and his written words. He must perforce become an expert on character analysis from handwriting and written expression and a master of the art of criticism without sarcasm, a really difficult accomplishment. It is an outstanding trait in human nature to resent correction or criticism whether deserved or undeserved and this crops up frequently, even in correspondence courses. We have often been the recipients of indignant denials of copying from injured innocents who obviously did their work with a textbook on their knee. Maybe they deluded themselves but that sort of thing doesn't fool the instructor. The jumble of literary styles in an answer culled word for word from a number of leading works on that particular subject is quite startling sometimes and very obvious to the instructor's practiced eye.

Probably the most noticeable feature in connection with our correspondence work has been the very great improvement in the educational background of the students taking this work. This has lightened our labours considerably but at the same time has cut out a lot of the amusing interludes which used to enliven the daily round. In the early days there were three types of student that were rather numerous. The first group didn't know what it was all about and simply guessed at the answers, the second group didn't even guess but either argued the point at issue or passed it up as being of no importance, and the third group was composed mainly of students of foreign extraction, possessing little or no English but withal, a burning desire for self expression, which, while it produced work that was fearful and wonderful to behold and gave us many a headache in the unravelling, spoke volumes for their perseverance. We still remember one student's quaint definition of mine waste or refuse as "Something hard or soft which nobody use for nothing." A little mixed it is true but it still conveys the idea.

When all is said and done we flatter ourselves that we have been the humble means of helping many to climb a few more rungs in the ladder for their chosen profession and that we still perform a useful function in providing a means of self improvement in such a form that he who runs may read.

ALEX HIGGINS,
Supervisor of Correspondence Instruction.

SOCIAL

THE social life of Dear Old Tech got off to a flying start this term when Techites and Techettes turned out enmasse to enjoy themselves to the Jack Blachly's music on the night of Friday, October the Twentieth. The first year boys moved right in and made themselves at home, being received with open arms by the D.D.D.'s and the usually pretty crowd of Arts.

On November the Tenth, we had a hilarious time to the riproaring, rippling rythmn of Al Mack and his congenial blue-shirted supporters. Novelty dances made for real competition, the elimination dance being won by the only man in the hall without a tie, while the prize waltz brought to light some hitherto unsuspected terpischorean experts.

Jack Blachly and his merry men came back on November the Twenty-fourth and enjoyed themselves as much as the crowd on the floor. This time the gang knew what to expect and there was much scurrying here and there to get the best partner for the competition dances.

The Annual Benefit Dance brought back to us our old friends the Hi-Hatters who helped to put over the biggest dance of the season. A festive atmosphere prevailed under red and green streamers, and came to a climax with a shower of horns, confetti and vari-coloured balloons from the balcony. This night of nights left us with the deep conviction that the Assembly Hall would have to be enlarged.

The first dance of the new year was sponsored on January the Twelfth to the ever-popular music of Laurie Seville and his Hi-Hatters. Yea Tech! It was quite a night. "To tag or be tagged?" That was the question, as the girls came into their own and tagged just as often as the poor males. Nothing shy about *our* gals, eh fellows, you weren't safe anywhere!

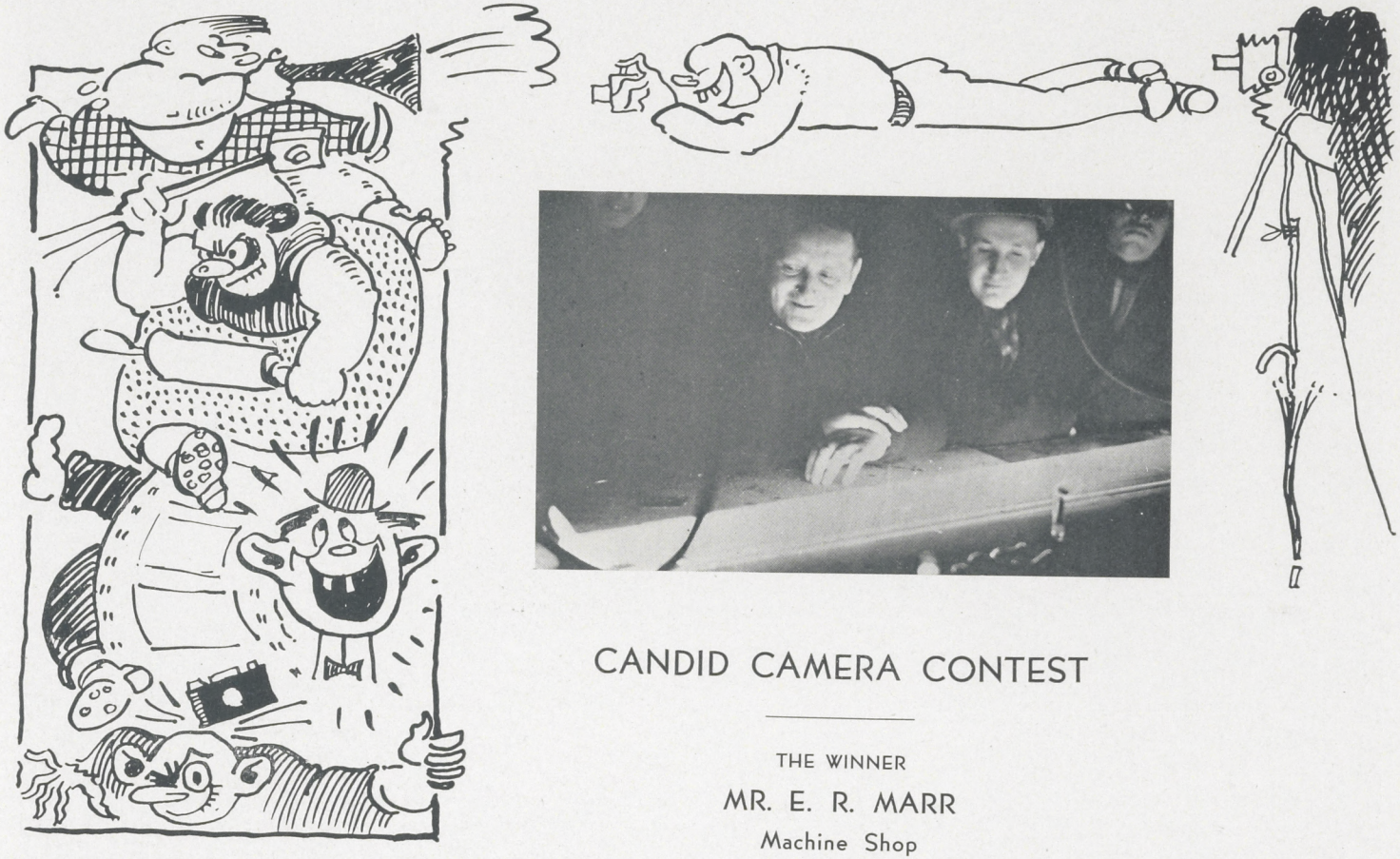
The Electrics and the Dressmakers each had a try at sponsoring a skating party this term, and we must say that when it comes to eats, the girls have it all over the boys. What a pull the D.D.D.'s must have to get the new Amplifier for their dance!

The next dance was in the way of a Farewell to the D.P.'s who join the R.C.A.F. in a very short time. On the night of February the Twenty-third the boys were given a real send-off, with the Hi-Hatters at their best, and hand-shaking all around. Goodbye and good luck, fellas.

On April Fifth, the new Social Committee staged the first dance of the spring term. Complete with novelty dances and prizes, with the music of Al Mack to top things off, it was an evening heartily enjoyed by all the Techs and Techettes in attendance.

Something which we believe to be unprecedented in the Annals of Tech happened this term. Believe it or not, our Dear old Alma Mater and Normal put on a joint dance. Sponsored by the Chem. Club of Tech, and the Science Club of the Normal school, it drew the biggest crowd the Assembly Hall had seen for many a long day. Each club put on a demonstration of their own particular interests, and no brass knuckles were in evidence all night. Normal's orchestra, novelty dances, girls galore! We had a wow of a time!

—E. L. H.



CANDID CAMERA CONTEST

THE WINNER

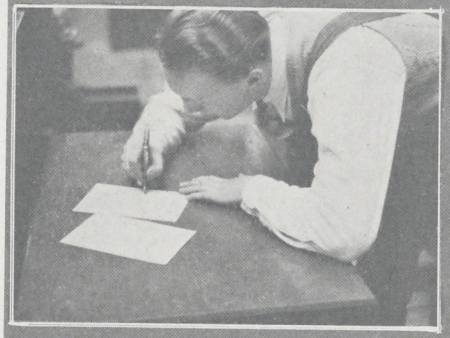
MR. E. R. MARR

Machine Shop

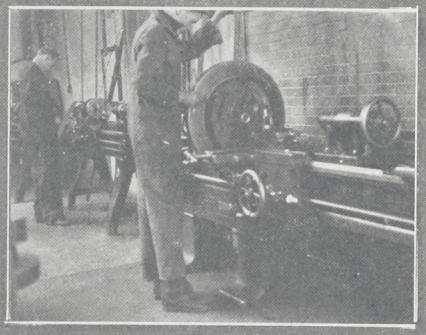
Taken at the local Neon Sign Plant

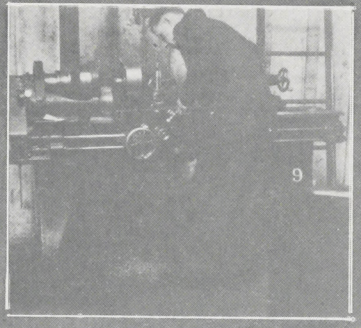
Other entries may be found on pages 26, 29, 34 and 42



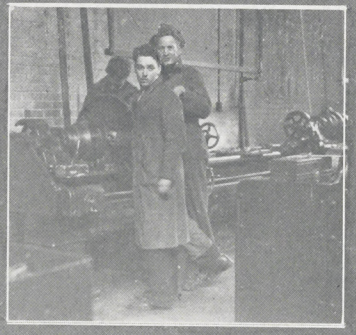


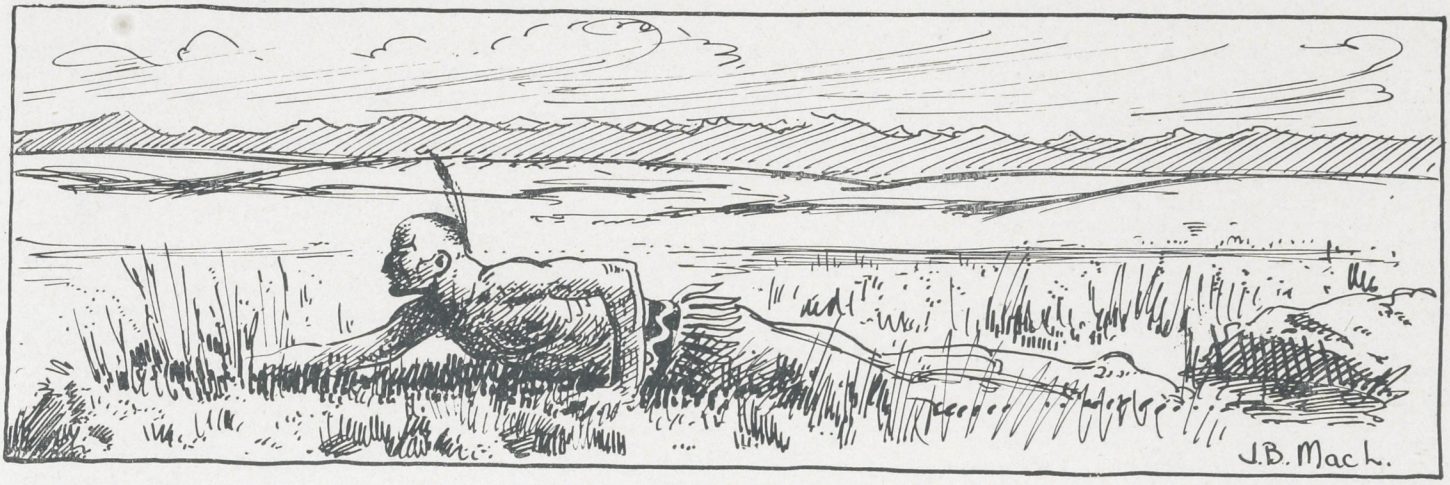












LITERARY CONTEST WINNER

THE HILL

Up on some high promontory, like a hill or a cliff or a summit,
The Indian Chieftains of old their far-seeing sentinels posted,
To watch for the on-coming foeman, so they might prepare to advantage,
Their weapons, their cover, their tactics, for the battle that now lay before them.
Attacking the foes from their hideout, and rushing upon them from ambush,
The enemy soon were defeated; their scalps decked the belts of the victors.
Bearing the spoils of their battle, leading the captives to torture,
With their wily old Chieftain before them, homeward paraded the victors.
They were the winners in battle, not just because of their prowess,
But also because of their leader who prepared himself and his warriors
For the battle before it descended, by seeing the strength and the tactics
Of the foe, as they came o'er the prairies, through the eyes of his trustworthy sentries,
Who guarded their Indian Brothers by watching and warning from hill-tops.

No longer is there any danger of physical strife on the prairies,
When men, like carnivorous creatures, will revel in killing their brothers.
But still from a hill on the prairies, we yet look out on our foeman,
Not a man, or beast or a spirit, but Time, the implacable foeman.
The future, which now lies before us, is hourly creeping upon us,
As yet we aren't ready to meet him, but daily each one is preparing
Himself, for the strife in the future, in the Technical School on the hill-top.
The strife for which we are preparing is quite unlike that of the Redmen,
For this reason no longer do we use the Indian's weapon in battle.
A knowledge of this and of that, and knowing machines and equipment,
Will help us in winning the battle of life which we soon are beginning.
The Indians cared for their weapons, if not they were readily vanquished;
Just so, we must care for our knowledge, or go down as an unprepared battler.

H. E. KUMLIN

EVENING CLASSES

THE Evening Classes at the Institute are designed to meet the needs of many different types of people. Some attend to improve their abilities in their chosen field of work; some use the courses as a means of try-out, to see if they are fitted for some other sphere of work; some wish to gain knowledge in theory; some make the evening work a hobby and so provide some means of more thoroughly enjoying their leisure time.

It is natural that this year, many students were interested in taking courses that will make them more efficient for war work should their services be needed. Shop work proved to be more popular than classes in theory but even in these the Instructors did not neglect to give as sound a foundation of theory as time permitted.

Courses in Motor Tune-up, Plumbing and Radio Code, were added to those previously given. The facilities of the Institute were given to two classes in Cooking for Soldiers that were conducted by the Domestic Science teachers of the City. Much credit is due these young ladies who made this contribution as a part of their war service. A seven-week's course in motor theory was given by various garage mechanics to a large group of drivers in the various military units. This was under the supervision of Mr. Wagner, assisted by Mr. Simons and Mr. Wynne. This instruction was given gratis and due appreciation must be given for their efforts.

Courses offered in the Evening are designed to meet the needs of any group that may have the desire to organize a class. If the facilities are available and an Instructor can be found, a class will be started, if sufficient people are desirous of forming a class.

F. G. YOUNG,
Director of Evening Classes.

THE IOTA CLUB

TO start the year 1939-1940, the dressmakers held a "Get-Acquainted" party.

A little later in the year a meeting was called and the following club officers elected:

Honorary President	Miss Smith
President	Esther Helton
Vice-President	Betty Clark
Secretary	Alice Schmidt
Treasurer	Winifred Woodward
Social Convener	Eleanor Williamson
Educational Convener	Harriet Rodgers
Athletic Convener	Ann Holloway

The high-light of our social activities was a very successful skating party given by the girls. After skating they enjoyed a lunch in one of the second floor rooms and concluded a delightful evening with a dance in the Assembly Hall.

CHEMISTRY CLUB

UNDER the leadership of Mr. Safran, the Chemistry Club was formed during the early part of the winter term.

This club was formed to entertain all students interested in scientific subjects and during the year they were presented with many interesting moving pictures, visits to industrial plants and talks on several technical topics.

Regular meetings were held every second Thursday in the month and they were conducted by officers elected from the members.

The office of President was held by A. Teskey and later by B. Hood. Ken McKee was the Secretary of the club.

Several plants were visited during the term and among them were: The Neon Sign Co., the Royal Crown Soaps, and the Liquid Air Plant. Plans were being made for the club to visit the Glenmore Dam which will be the final activity of the club for this year.

The Technical Chemistry Club and the Normal Science Club held their joint social and dance in the school auditorium on Friday, April 12, 1940. A large crowd attended and they were entertained by a Still Life Play put on by the Normal Club, and many spectacular experiments displayed by the Technical Club. Both clubs express their thanks to Mr. Doucette and Mr. Safran for their splendid efforts in helping to put on worthwhile entertainment at the dance.

A club pin will signify a Chemistry Club member and it may be either in the form of a button hole pin or a tie pin.

In the opinion of most members the club enjoyed a successful year and their only regrets are that it has ended all too soon.

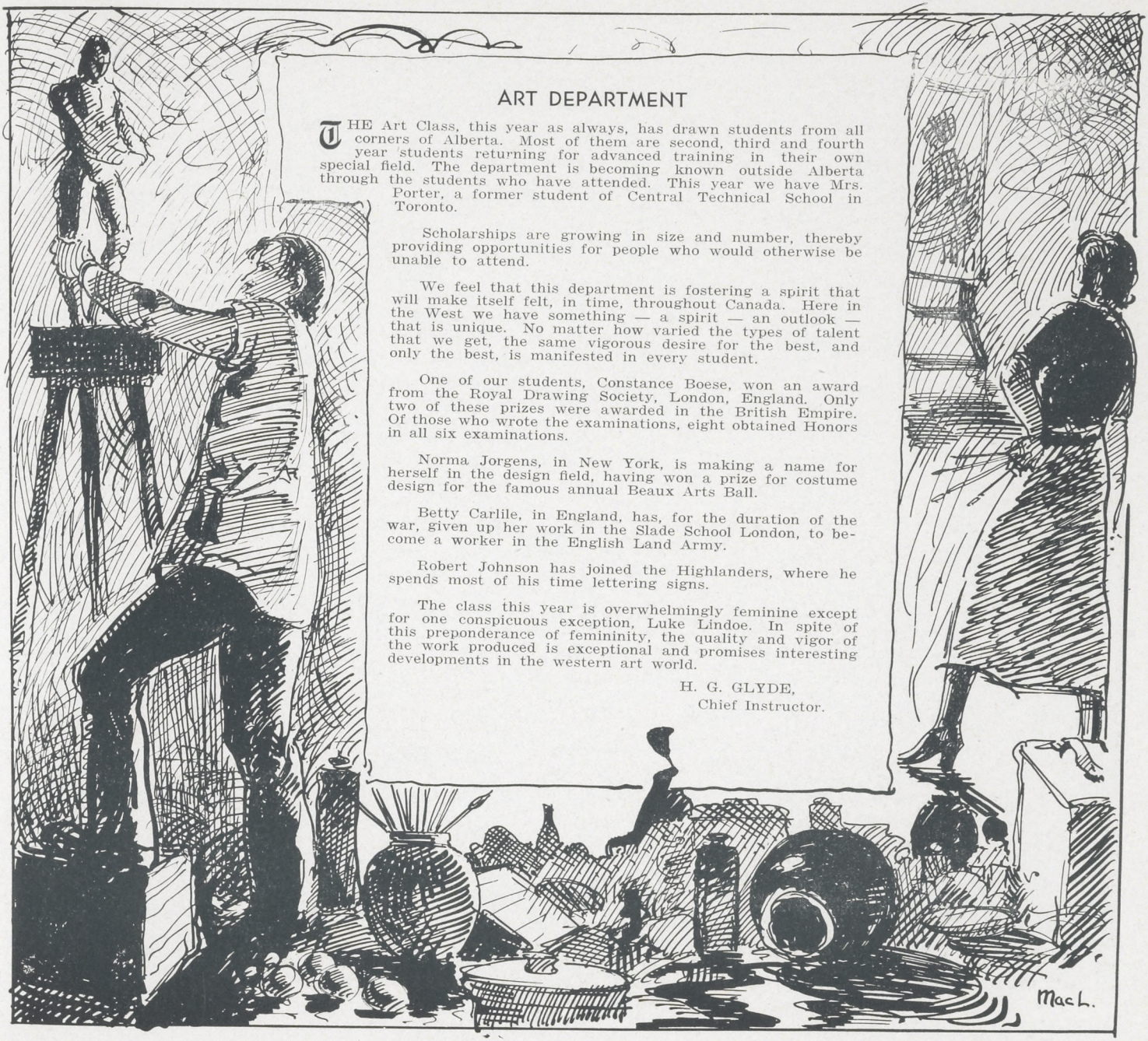
TIME CONDENSED

TO dramatize the recent increase in the rate of scientific progress, let us compress the Time Scale a millionfold. This means that a year ago the first men learned to use certain odd-shaped sticks and stones as tools and weapons. Speech appeared. Then, only last week, someone developed the art of skillfully shaping stones to meet his needs. Day before yesterday, man was sufficiently an artist to use simplified pictures to serve as symbolic writing.

Yesterday the alphabet was introduced. Bronze was the metal most used. Yesterday afternoon the Greeks were developing their brilliant art and science. Last midnight Rome fell, hiding for several hours the values of civilized life. Galileao observed his falling bodies at 8:15 this morning. By 10 o'clock the first practical steam engine was being built. At 11.00, Faraday's law of electromagnetism was developed, which by 11:30 had given us telegraph, electric power, the telephone and incandescent electric light.

At 11:40, X-rays were discovered by Roentgen, followed quickly by Radium and wireless telegraphy. Only 15 minutes ago the automobile came into general use. Air mail has been carried for hardly five minutes. Not until a minute ago had we had world-wide broadcasts by short-wave radio!

ARTHUR H. CROMPTON,
In "Science Magazine."



ART DEPARTMENT

THE Art Class, this year as always, has drawn students from all corners of Alberta. Most of them are second, third and fourth year students returning for advanced training in their own special field. The department is becoming known outside Alberta through the students who have attended. This year we have Mrs. Porter, a former student of Central Technical School in Toronto.

Scholarships are growing in size and number, thereby providing opportunities for people who would otherwise be unable to attend.

We feel that this department is fostering a spirit that will make itself felt, in time, throughout Canada. Here in the West we have something — a spirit — an outlook — that is unique. No matter how varied the types of talent that we get, the same vigorous desire for the best, and only the best, is manifested in every student.

One of our students, Constance Boese, won an award from the Royal Drawing Society, London, England. Only two of these prizes were awarded in the British Empire. Of those who wrote the examinations, eight obtained Honors in all six examinations.

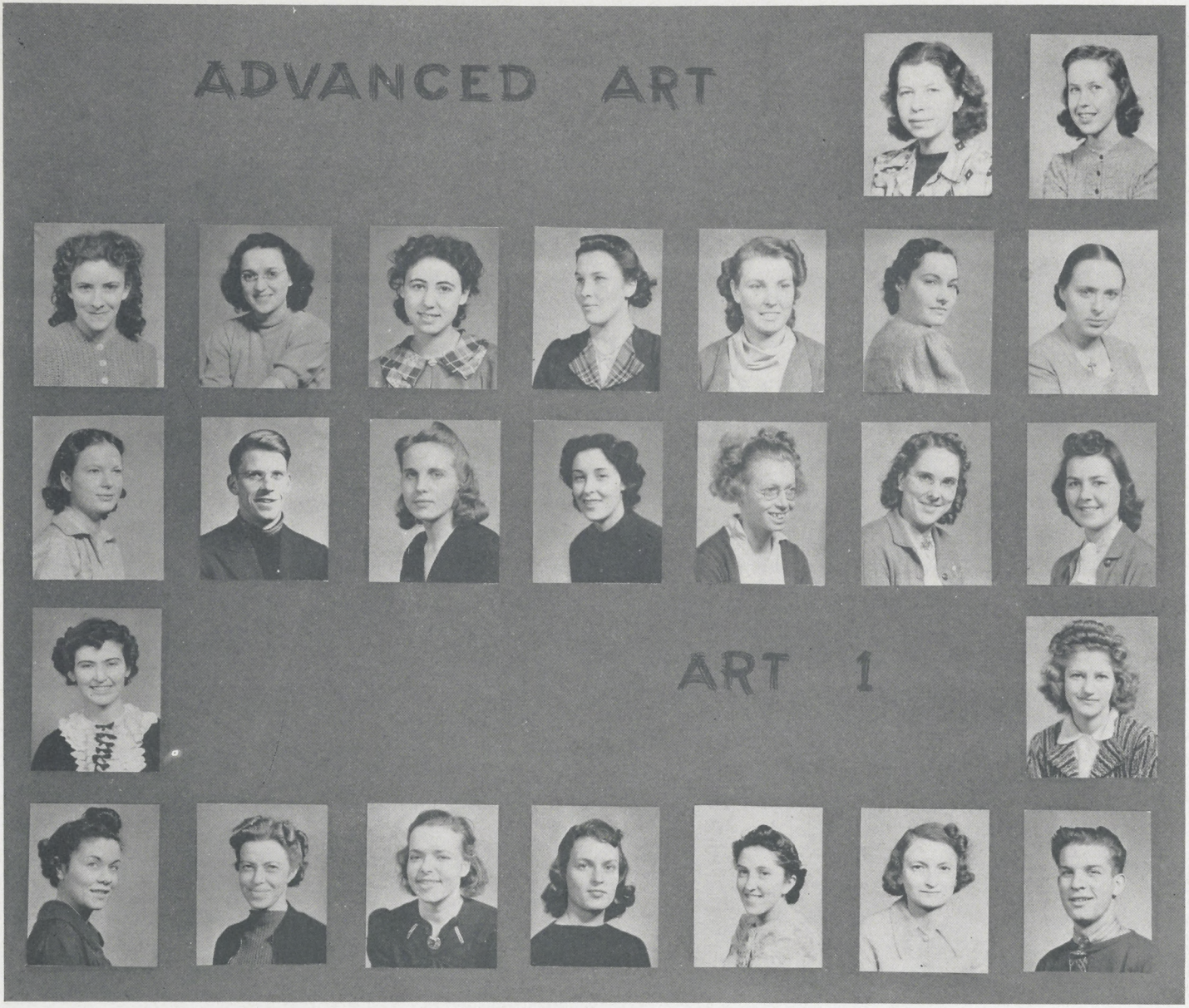
Norma Jorgens, in New York, is making a name for herself in the design field, having won a prize for costume design for the famous annual Beaux Arts Ball.

Betty Carlile, in England, has, for the duration of the war, given up her work in the Slade School London, to become a worker in the English Land Army.

Robert Johnson has joined the Highlanders, where he spends most of his time lettering signs.

The class this year is overwhelmingly feminine except for one conspicuous exception, Luke Lindoe. In spite of this preponderance of femininity, the quality and vigor of the work produced is exceptional and promises interesting developments in the western art world.

H. G. GLYDE,
Chief Instructor.


ADVANCED ART
ART 1

ADVANCED ART

E. BENTLEY
Shaunavan

C. BOESE
Calgary

D. BRAILEY
Calgary

P. CASWELL
Bow Island

M. DEAN
Calgary

B. FORD
Calgary

M. GLEN
Westlock

R. HANNA
Lomond

B. HART
Hanna

V. LAMONT
Calgary

L. LINDOE
Calgary

M. NEWMAN
Blackie

MRS. A. OUELLETTE
(nee Hazel Joberg)
Craigmyle

M. SHELTON
Rosedale Station

H. STADELBAUER
Calgary

P. VINCENT
Calgary

F. WALKER
Taber

ART 1

O. DOROSCHUK
Calgary

MRS. T. DYMOND
Calgary

M. McCOLL
Lethbridge

A. MURPHY
Medicine Hat

S. PLUMMER
Calgary

H. RODGER
Calgary

G. ROSS
Calgary

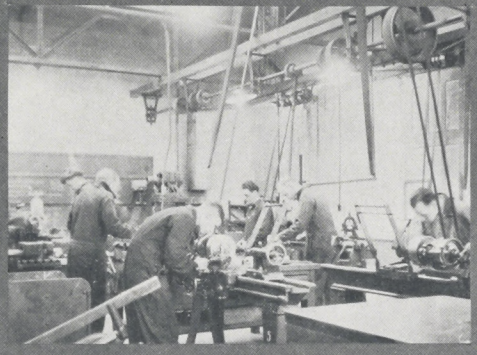
J. K. SHEDDON
Calgary

TECH SHOTS



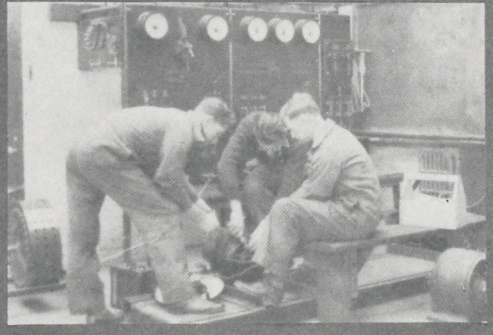


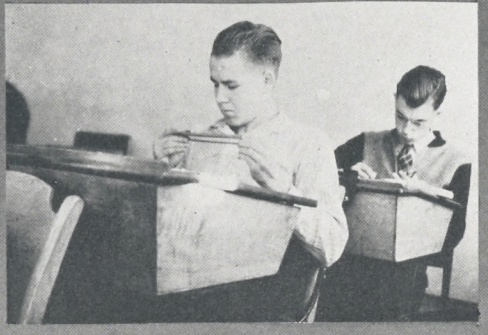














MOTOR MECHANICS

THE Motor Department continues to improve as the years go by. The most up-to-date methods are employed in shop training and several pieces of equipment of the latest type have been added to the shops this season. Cars of practically every make used in Western Canada are to be seen on the floors of the shops, some of as late a model as the current year, undergoing serious operations at the hands of the students. The work done by them is receiving very creditable comment from the owners of these vehicles and has often been the means of getting our students recommended for employment at the conclusion of their course.

Under the skilful and watchful eye of Mr. Simons, they have learned what makes the wheels go round, and how to keep them turning quietly. Under Mr. Wynne, they have not only learned the latest methods of dolling up bodies and touching up noses but have actually beaten the Dressmaking Department by being able to lift and straighten out the battered features of many a Madame Ford and Mademoiselle Chevrolet, even to the extent of straightening up their eyes, rebuilding their bonnets and putting new springs in their knee action.

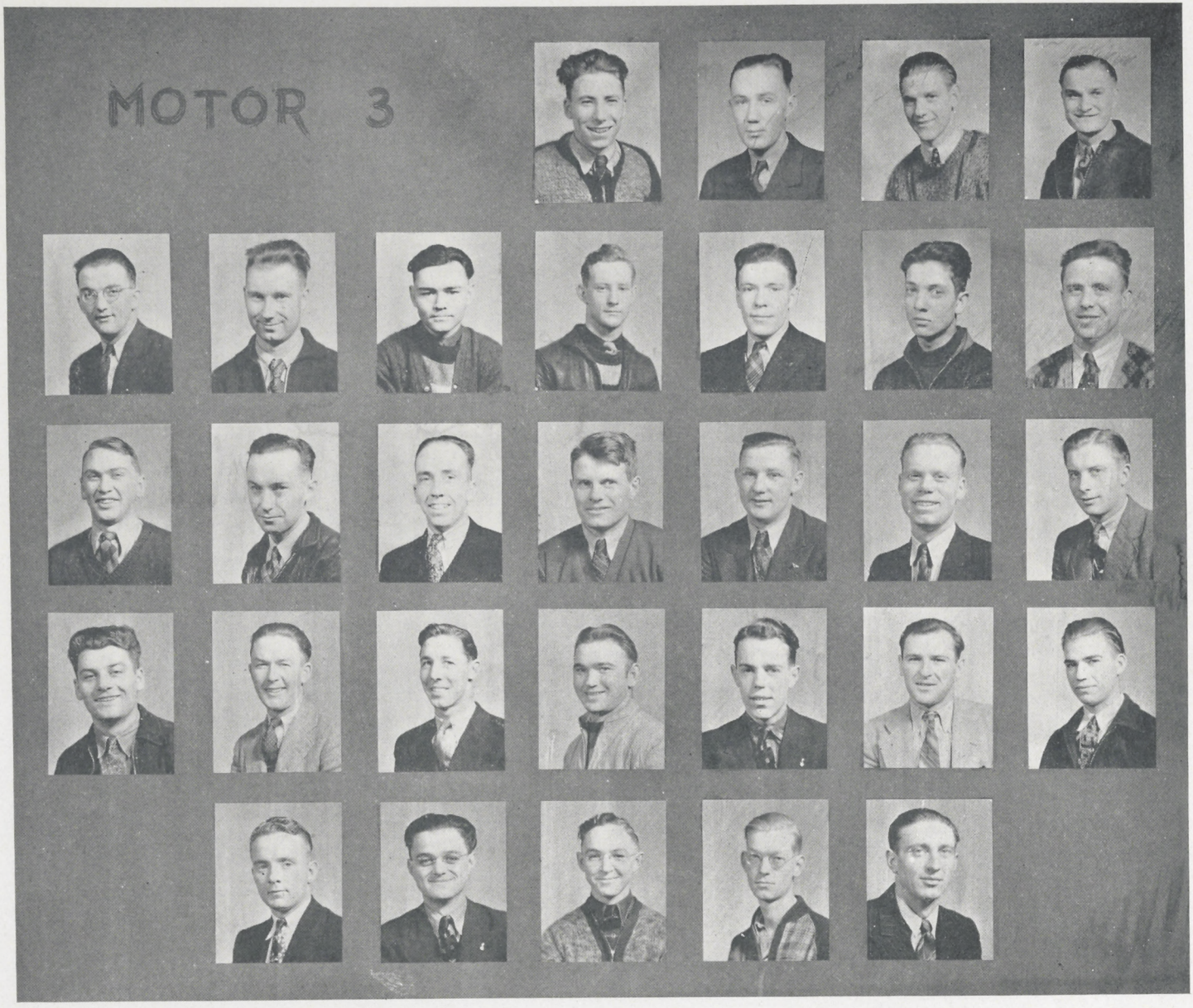
In the Battery Department the enrollment has been above that of last season. Under the direction of Mr. Abbis, the jobs given to each student have been varied and well done. Several new pieces of equipment have also been installed in the battery shop and these have no doubt been of great benefit to those students who intend specializing in battery work.

In the Ignition Department, Mr. Jowett has done excellent work in teaching the boys the very latest methods of repairing and adjusting the various parts comprising the electrical end of the automobile's make-up.

It is very interesting to note that practically all of the students finishing their course this year have already secured employment or have prospective jobs in view, also that during the term we have received visits from ex-students asking us to recommend a student for a position they have in sight, which shows the kindly feeling existing between them and the Institute and their appreciation of the benefits derived from the instruction which they received.

To those students who are leaving us — Well, Good Luck, and be sure to come up and see us sometime.

A. C. WAGNER,
Chief Instructor.


MOTOR 3

MOTOR 3

R. W. CAMPBELL
Lougheed

C. R. CARROLL
Calgary

A. E. CEMBELLA
White Court

A. KINASWICH
Thorsby

A. KLAIBER
Little Plume

A. W. LEUHR
Taber

B. MACKEY
Nanton

M. J. McCUNE
Red Deer

M. P. NORTON
Vermilion

W. OHLHAUSER
Carbon

T. PROCHNAU
Bruderheim

E. SOOLE
Banff

L. G. TAYLOR
Stettler

M. H. TORRIE
Grassy Lake

J. N. BURNESS
Burdett

W. DOWNE
Carbon

A. GUSTAVSEN
Hassar

H. HAVERSLEW
Vermilion

E. HEINZ
Calgary

L. HIGGINS
Retlaw

K. KIRKVOLD
Taber

S. LASTIKWA
Kakwin

G. MILLER
Calgary

T. MOMOTUIK
Kenora, Ontario

H. M. SANDEN
Hussar

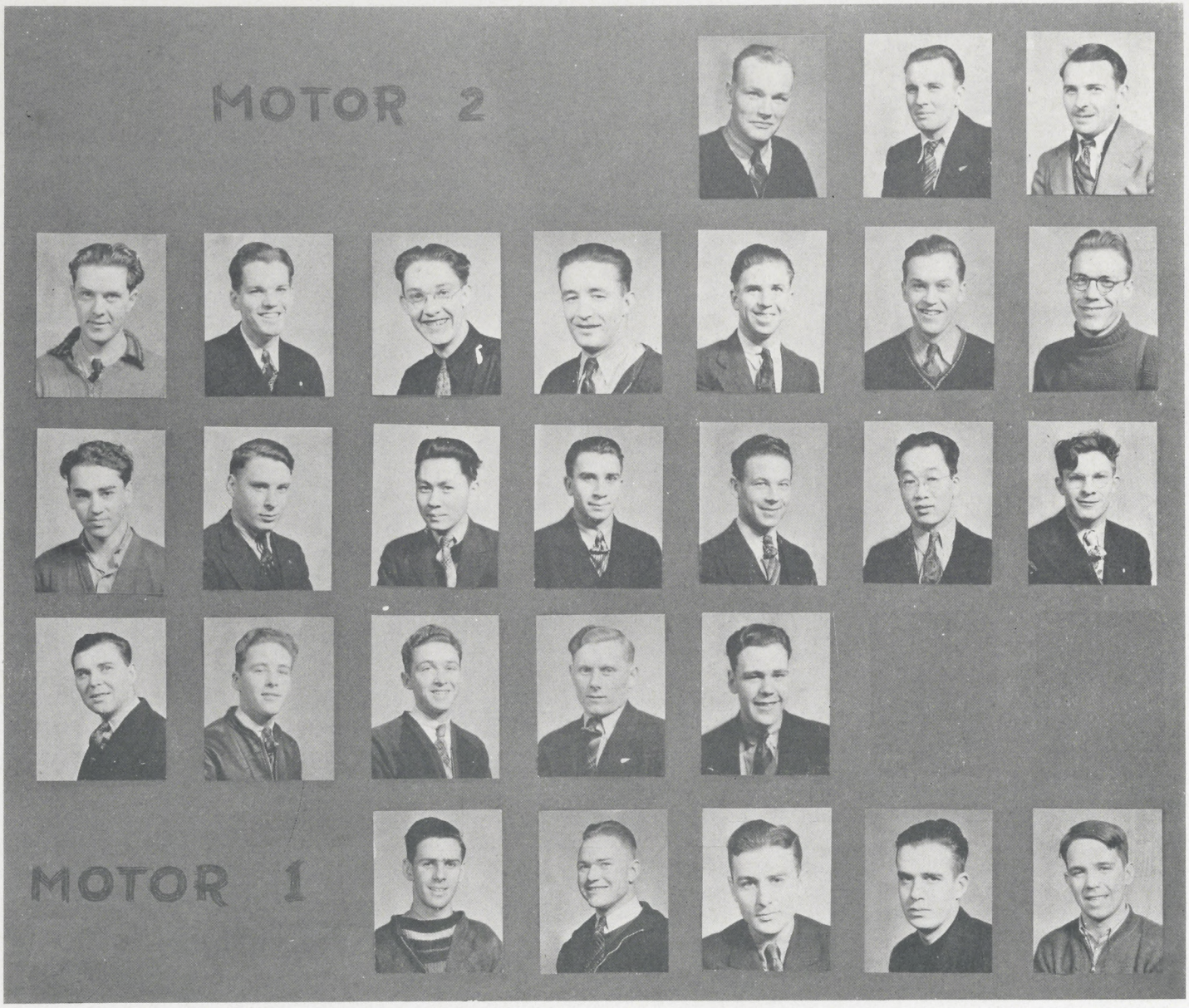
A. S. NORBEY
Red Deer

P. P. SAWCHUK
Myrnam

A. SCHAUPP
Calgary

H. L. WITWER
Acme

W. WILL
Hussar


MOTOR 2
MOTOR 1

MOTOR 2

H. BELL
Hughenden

F. BOULTEN
Oyen

P. MOMOTIUK
Kenora, Ont.

A. J. CLAVERT
Warspite

W. H. COOPER
Winniper, Man.

M. L. CRIST
Vauxhall

R. D. DAVIDGE
Edson

H. V. FINDLEY
Ryley

O. HERMAN
Lomond

B. L. HEGI
Chancellor

M. SHNITKA
Calgary

J. KELLY
Wayne

A. KOO
Calgary

H KROKOSH
Stry

J. LUCAS
Armada

A. LUNG
Cayley

H. MUDRY
Thursby

W. J. NOLAN
Etzikom

J. H. RODGERS
Stavely

J. E. C. RODGERS
Stavely

J. SAWARYN
Myrnam

H. SIMON
Red Willow

MOTOR 1

R. BOND
Calgary

E. B. BLAYNEY
High River

E. BENESCH
Kelowna, B.C.

J. H. BRACE
Tofield

B. BROWN
Calgary



MOTOR 1

A. CAMPBELL
Nobleford

B. CHENEY
Calgary

L. W. CHRISTENSEN
Champion

R. CLARKE
Calgary

C. CROOK
Coronation

M. DMYTRUK
Delia

W. A. EDWARDS
Banff

R. ELLIOTT
Federal

G. EMES
Bruce

J. W. FERGUSON
Blairmore

G. JOHNSON
Calgary

J. L. KNOLL
Vermilion

S. ROSSO
Calgary

A. R. TESKEY
Carmangay

H. T. LOVE
Vulcan

C. H. LEA-WILSON
St. Lina

K. McKEE
Calgary

A. MERKEL
Herronton

G. MILGATE
Calgary

O. MILLER
Calgary

W. MONTGOMERY
Morse, Sask.

W. MOORE
Three Hills

E. NOWELL
Calgary

A. PATRICK
Calgary

J. T. REID
Calgary

G. RINDAL
Didsbury

D. SHIERMAN
Vulcan

G. SEBASTIAN
Wembley

M. J. SHATTO
Vulcan

J. SKETCHLEY
Calgary

S. STEPAN
Calgary

E. STEWART
Kitscoty

W. STEVENS
Mirror

G. THOMPSON
Elrose, Sask.

F. FOFONOVE
Mossleigh

ANNUAL BANQUET

THE Banquet this year was the biggest to date and lived up to all good old Tech traditions. Every seat in the Main Ballroom at the Palliser was taken, and many were disappointed because of lack of accommodation.

The food was well prepared, well served, and we might add well taken care of, after we found that the fellow next to us didn't know any more about which fork to use than we did! It was a relief to find that it was possible to cheer and eat at the same time, and class yells flew back and forth, as did a few well aimed buns!

Even without the feeling of tolerant well-being that the delicious supper gave us, we would have enjoyed the program, which proceeded smoothly under the impetus of Mr. Fowler's native Scottish wit. We had indeed a toastmaster among toastmasters! Following the Toast to the King, the Choral Society treated us to a selection from the operetta which they are sponsoring next month, and we must say that it was good advertising. Dr. Carpenter expressed his regret that a representative from the Government had not been free to come, and read several letters from Ex-students, afterwards delivering an address which gave us all food for thought. Real talent was disclosed by Messrs. Holosko, D. C. Fleming, Jensen, Dorsey and Campbell, when they treated us to musical selections ranging from a violin solo by Holosko, to singing by Jensen, and a Piano Duet a la Dorsey and Campbell.

Mr. Lewatsky's bouquets for the Staff were ably parried by Mr. Clarke, who, in his inimitable way, told us what the Staff thought of us in a way that we couldn't help liking! The School Orchestra ended the program, and it was every man for himself, as the floor was cleared for dancing, and autographs and dance programmes were signed in a rush against time.

Jerry Fuller no sooner struck up the band than the floor was filled with a whirling mass of colour as ladies and escorts gaily tripped the light fantastic. Boys were stood up — girls were stood up — everybody stood up . . . and cheered everybody else in sight. Can't find your partner? . . . Take some else's! Sounds of revelry echoed through the night, and when 1.00 a.m. came there was a mad dash for taxis and flivvers, as Tech remembered there was school the next day. Yea, Tech — we won't miss the next Banquet!

E. L. H.

TECH CHORAL SOCIETY

THE Tech Choral Society is now completing a very successful second year. Begun during the term previous to this, under the enthusiastic sponsorship of Mr. Glyde and Mr. Safran, the Society is Tech's latest venture in the field of extra curricular activities. The first year was spent principally in organization with its only highlight a quarter-hour program over station CFCN. The Society was re-formed almost immediately with the beginning of the present term and started as soon as possible upon the rather ambitious plan of producing an Operetta. After almost four month's practice under the excellent direction of Mr. Clifford Higgin, choir leader in Knox United Church, Calgary, and his son Mr. Elgar Higgin, the Operetta "Sunbonnet Sue," was declared ready.

On March 1st it was put on in the Institute of Technology and Art, before a house crowded to capacity. With the record behind it of a performance rated as highly successful both financially and as an entertainment, the Choral Society is now planning on finishing the season with a radio broadcast.

Young though it is, the Society seems already firmly established as a unit in the program of Tech activities.

DRAMATIC CLUB

HOUSE lights off, foot lights on, curtain—and another drama is enacted in the famous Technical Playhouse, with comedy, tragedy and love holding the audience spellbound for another year of entertainment.

The Dramatic Club of 1939-1940 was organized early in November with a membership of approximately fifty students, the majority of whom were boys. Mr. Dyke was, as in former years, the Club's able director.

In order to allow as many members as possible to act, the Club thought it would be better to put on three One-Act Plays instead of the usual one Three-Act Play. This was satisfactory to all concerned and the plays were decided upon.

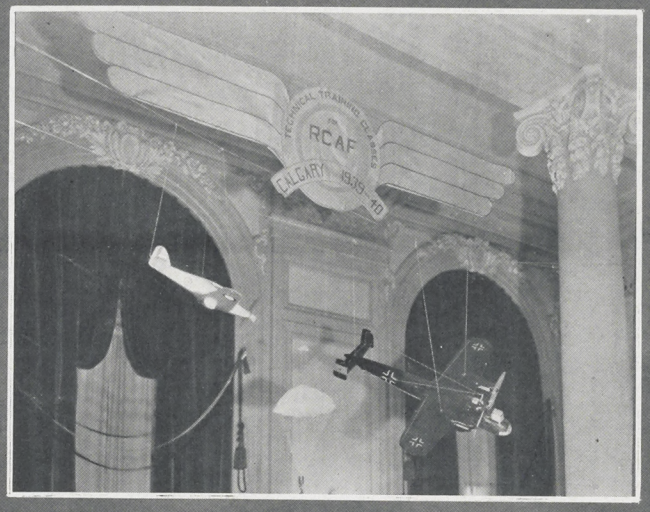
Rehearsals began with a bang, and the first performance of the Dramatic Club was given on January 26th. The comedies, "Comrades in Arms," "The Bathroom Door" and "The Crimson Coconut," were presented, and the orchestra, under the direction of Mrs. Paynter, supplied the music. The hall was filled with a capacity crowd which reacted in the proper manner.

Owing to the early Easter, the Club decided to only put on two short One-Act Plays for their second performance which took place on March 15th. The farces, "The Trysting Place" and "Thank You Doctor," were presented before a large audience, and music was again supplied by the orchestra. Excellent publicity for both performances was given through both the "Herald" and "Albertan," and the "Herald" photographed a scene from one of the plays. This appeared in the paper of March 14th.

The Executive for the year was as follows:

Presidents ---------- Frank Routledge, Dave Porter
Secretary ---------- Esther Helton
Stage Manager ---------- Dick Larson
Business Manager ---------- W. V. Sinitsin
Electricians ------ L. G. Nelson, Don Gibb, Bill Hammond
Properties ---------- Maxine Schuldt

The plays were produced by special arrangement with Samuel French (Canada) Limited, Toronto.


TECHNICAL TRAINING SCHOOL
RCAF
CALGARY 1939 40











Picture by courtesy of J. Rosettis

FARM CONST.



FARM CONSTRUCTION

E. BECKINGSALE
Pine Lake

R. D. CONNICK
Carmichael

I. G. DOENZ
Warner

E. O. NORBEY
Red Deer

L. J. FANTIN
Highway

W. C. FULTON
Wardlow

W. G. HARRISON
Crossfield

S. C. HARTT
Hanna

B. HEINE
Carstairs

J. HIRONAKA
Raymond

W. H. KNOWLES
Calgary

H. C. LANSDELL
Lacombe

E. L. MacINTOSH
Cherhill

D. MARLER
Camrose

E. M. McELROY
Calgary

H. J. McELROY
Calgary

H. D. MILLS
Calgary

J. H. OGDEN
Carmichael

D. PORTER
Lethbridge

F. E. SCHAEFFER
Redcliff

H. SHINGH-HARIES
Calgary

R. SMYLIE
Madden

C. STUBER
Orion

K. STUDY
Calgary

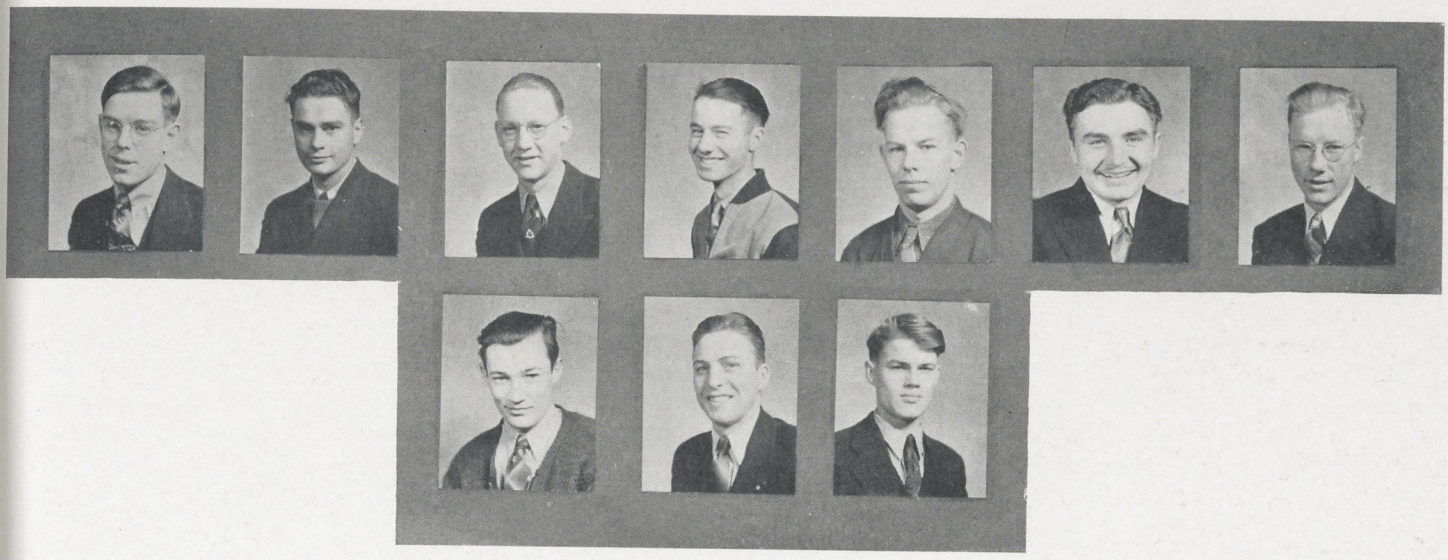
A. M. TEMPLETON
Belmont, Manitoba

E. THOMAS
Three Hills

H. H. WARNER
Gleichen

J. O. WILLIAMS
Arrowwood


TRACTOR



TRACTOR

A. BEAUDET
Munson

T. BROWN
Calgary

ROY BROWN
Acme

W. BULL
Excel

K. ADAMS
Duchess

B. J. DAND
Coleville, Sask.

W. DORCHAK
Enchant

S. DREWNIAK
Acadia Valley

W. M. GARDNER
Granum

D. E. GRAHAM
Warner

D. A. GRENVILLE
Morrin

G. GUY
Royalties

T. HIRONAKA
Raymond

C. HOWE
Buffalo

R. H. JOHNSON
Delacour

J. KIMMEL
Carstairs

A. KLEEGER
Calgary

J. L. KNIGHT
Woolford

P. KOZAK
Bentley

L. A. KURPJUWEIT
Seven Persons

G. LANTINGA
Granum

M. LUKEY
Brownvale

B. MASON
Namaka

A. S. McBAIN
Carstairs

D. J. MILLER
Crossfield

F. O. NORBEY
Red Deer

W. OLSON
Iddesleigh

J. D. HOAR
Ponoka

G. E. ORR
Macleod

W. L. ORR
Macleod

E. PENNOCK
Elnora

J. POPOFF
Queenstown

A. S. QUELCH
Morrin

E. V. ROGERS
Carstairs

H. B. ROGERS
Acme

S. ROMERIL
Raymond

H. STANGER
Munson

L. SCHMIDT
Markerville

W. H. STEWART
Crossfield

C. TROTTER
Nanton

H. WEARMOUTH
Cochrane

K. WHEELER
Namaka



WELDERS

G. J. BROTHERSTON
Calgary

A. E. CEMBELLA
White Court

S. DREWNIAK
Acadia Valley

F. FOFONOVE
Mossleigh

J. KNIGHT
Woolford

D. B. McNEIL
Edmonton

W. MEHEW
Raymond

W. METGE
McLeod

J. NAGURNY
Legend

L. PAYNE
Hanna

R. A. SMITH
Turner Valley

E. TARRAS
Calgary

S. B. BALDERSON
Magrath

F. W. COLSON
Calgary

B. J. DOTTO
Cadomin

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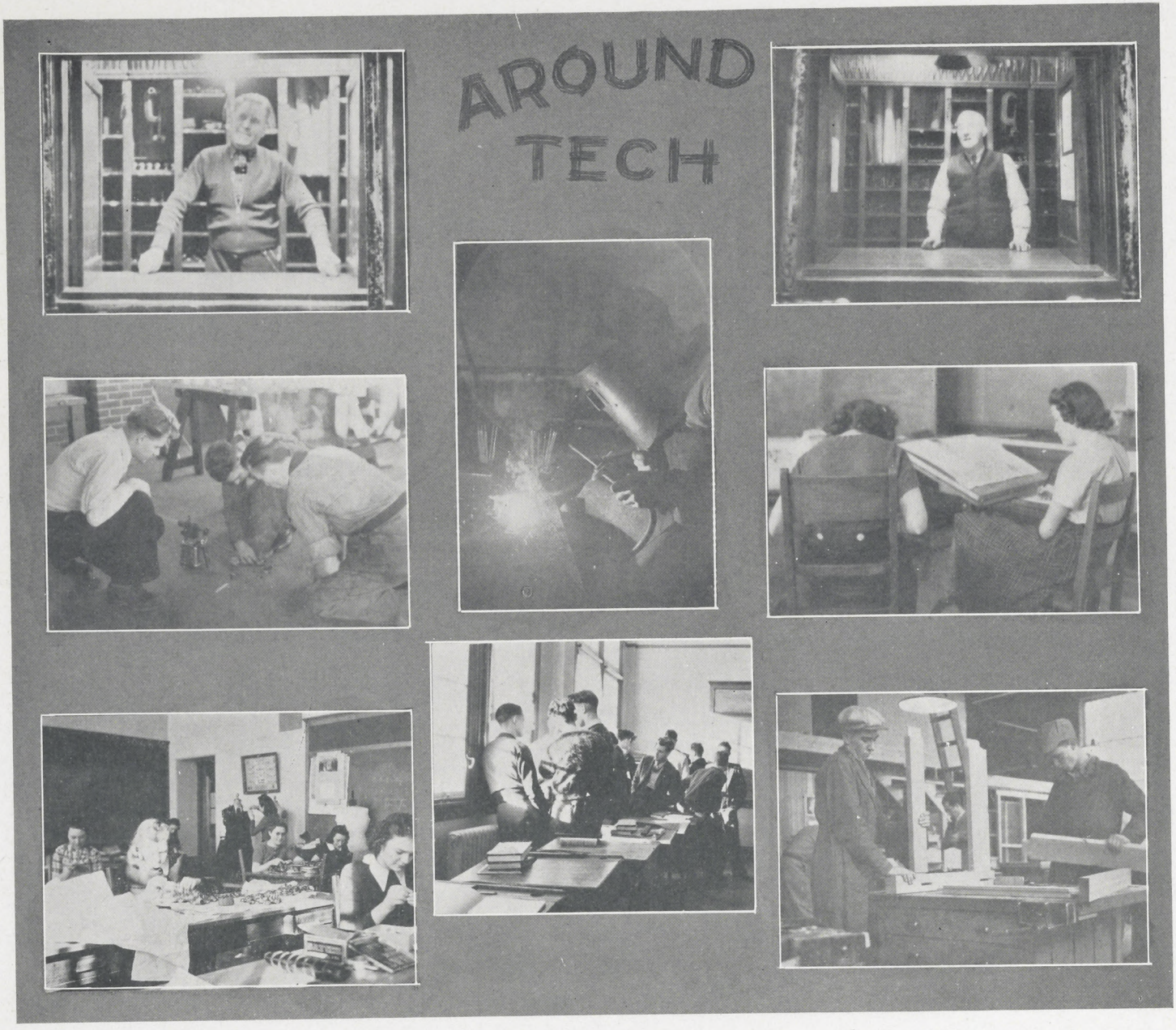
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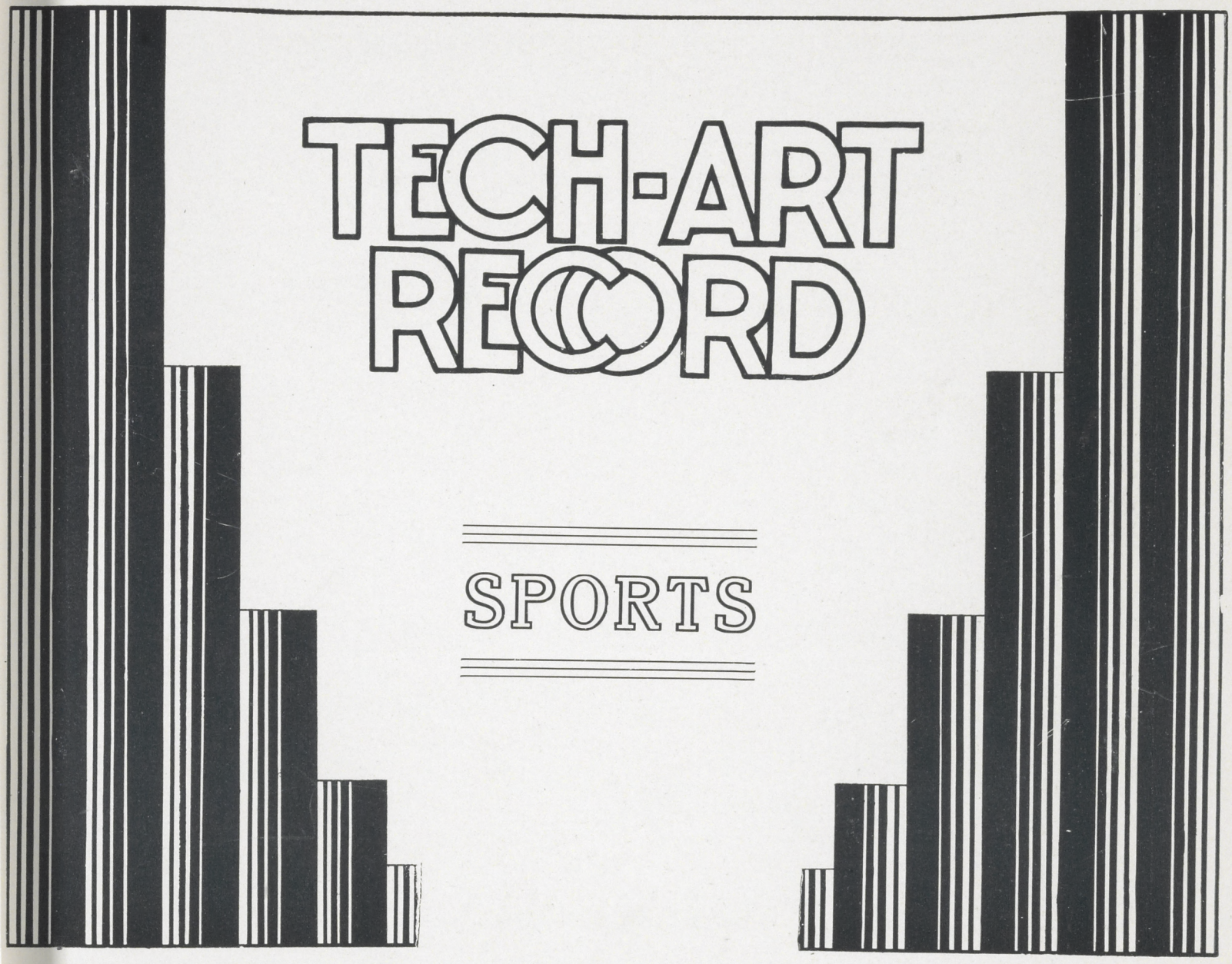
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HOCKEY

A WELL attended hockey meeting was called by Mr. S. Nelson, Staff Representative, towards the end of November. An election was held which resulted in Clarence Sortome being named as Manager and Bill Hammond, Secretary of the Executive. Class representatives were also appointed.

Due to a late freeze-up no ice was available until after New Year's, and this excluded any chance of entering a team in the city league. However, the club played games with Normal, Mount Royal, North Hill, and the Motorcycle Club. They succeeded in winning every game but the first one against Normal, when they lost by one goal. Following this game the team was organized better and improved greatly as they smoothed out their play. This was undoubtedly one of the best clubs Tech has had for some time, as they were fast skaters, possessed plenty of finish around the net, and back-checked well.

Much credit goes to Mr. Nelson for his assistance during the season. The boys also wish to thank the student body for the loyal support and encouragement they received.

INTER-CLASS HOCKEY

THE Inter-Class Hockey Title was taken by the Aero Department for the second consecutive year with Aero 1 replacing last year's winning team from Aero 2 as champions.

The league got away to a good start under the guidance of the hockey committee, which consisted of class representatives with Clarence Sortome as Chairman, Bill Hammond as Secretary and Mr. A. C. Nelson as Staff Representative. A schedule calling for five games a week resulted in some good hockey with the decision being close in practically all cases. Due to the large enrty of ten teams the league was split into two sections, with the winners playing for the cup.

The finals were played between Aero I and Electric 2, each having won four games and losing none during play. The first game resulted in a 3 - 1 win for Aero, but Electric came back to take the second game by the same score. Aero really hit their stride to finish off the finals with a 4 - 0 victory, emerging as worthy winners of a fast and well-played series.

LINE-UP — SECTION 1

ELECTRIC 2 — Nelson, Gibb, Ogden, Kramer, Barnes, Sortome, Hammond, White, Maxwell, Tyler, Showalter.

MOTOR 2 — Findley, Havershaw, Nolan, Norbey, Martineau, Bell, Davidge, Hargraves, MacKewen, Higgins.

AERO 2 — Shapiro, Johnson, Caithness, Ridley, Tompkins, Bowen, Brown.

D.P. RIGGERS AND FITTERS — Fee, Gunthorpe, Smith, Bond, Holme, Larson, Ward, Wight, Gilbert, Taylor.

FARM CONSTRUCTION AND TRACTOR — Warrener, Porter, Williams, Marler, Mills, Adams, Study, Yellowfly, Norbey, E. McElroy, H. McElroy, Macintosh.

LINE-UP — SECTION 2

AERO 1 — Lait, Hay, Lyons, Shaw, Moffatt, Truitt, MacDonald, Rowley, Bateman, Hegy, Webb, Falkard.

MOTOR 1 — Campbell, Thompson, Reid, Laskoski Emes, McKee, Dmytruk, Ducharme, Teskey, G. Milgate, Love, Christenson.

ELECTRIC 1 — B. Hood, Webb, Thorson, Grant, Jones, McCurdy, Miller, L. Milgate, Boissonneault, Garnett, Robbins.

COMPOSITE — Boss, S. D'Amico, Jenkins, Darke, Whitham, Webb, Attridge.

D. P. WIRELESS — Renny, Evans, Jensen, Aldridge.

SO THAT'S IT!

IN promulgating your esoteric cogitations, or articulating your superficial sentimentalities and amicable philosophical or psychological observations, beware of platitudinous ponderosity.

Let your conversational communications possess a clarified conciseness, a compact comprehensibleness, coalescent consistency, and a concatenated cogency. Eschew all conglamerations of flatulent garrulity, jejune babblement and asinine affectations. Let your extemperaneous descantings and unpremeditated expatiations have intelligibility and veracious vivacity without rhodomontade or thrasonical bombast. Sedulously avoid all polysyllabic profundity, pompous prolixity, psitaceous vacuity, vertriloquial verbosity and vaniloquent vapidity. Shun double entendres, purient jocosity, and pestiferous profanity, obscurant or apparent.

In other words, talk plainly, briefly. naturally, sensibly, truthfully and purely. Keep from slang; don't put on airs; say what you mean; mean what you say; and don't use big words!
ELEERTGIC: "Do you dance?"

FROM OUR OWN DICTIONARY

DEBTOR — A man who owes money. A creditor is the man who thinks he is the one who is going to get it.

DISCRETION — A sense that comes to a man too late to do him any good.

IGNORAMUS — The wife of a hippopotamus, which when pursued, escapes by climbing a tree, which it then pulls up by the roots.

BEE — Merely a little humbug.

LOVE — The delusion that one woman differs from another.

WIFE — A woman who has taken advantage of a man's love for her.

GIRLS' BASKETBALL

AGAIN the small enrollment in girls classes and subsequent small turnout resulted in failure to produce a winning girls' basketball team.

However, an executive was chosen consisting of: Ann Holoway, as President; Betty Clark, as Business Manager; Margot Whitehead, as Captain and Miss Veenendaal, as Staff Representative. Verne Truitt and Jack Murray were appointed as coaches, but the girls' lack of experience proved to be too much for them to overcome. The team played two games against Normal and one against Crescent Heights, but failed to turn in a win.

LINE-UP

GUARDS — Shirley Ward, Evelyn Helton, Joan Snell and Elsie Lahnert.

FORWARDS — Ann Holoway, Margot Whitehead, Betty Clark, Alice Schmidt, Peggy MacDonald, Melisse Glazzier and Margaret Ellithorpe.

MEN'S BASKETBALL

THE Basketball Team ran into difficulty this year when they were unable to get Art Alexander to take the coaching duties. They finally secured the services of Jack Murray, but at quite a late date. Credit is due to Jack for the good job he did considering the time at his disposal.

The team was entered in the Intermediate Playdowns but failed to win any games. However the players need not hang their heads as they were beaten only by narrow margins and the opposition was stiff and experienced. They can rather point to the fact that they improved steadily, and in their final game defeated Olds, at Olds, to overcome a two-point lead which the Northerners secured in their game here the previous week.

Another obstacle in the path to a winning team was the apparent lack of interest in the student body. It seems that with such a large enrollment Tech should be well represented at all games. If more of the students would attend the games instead of waiting until the following day to express their opinions of a team they have never seen play, it would at least improve the morale of the team.

The players and coach wish to thank Mr. A. C. Nelson for the work he did in connection with the team.

Babs: "If I'm the first girl you ever kissed, how is it you kiss so well?"

Phil: "If I'm the first fellow you ever kissed, how do you know I kiss so well?"

INTER-CLASS BASKETBALL

President ---------- V. Truitt
Secretary ---------- J. Barron
Staff Representative ---------- Mr. A. C. Nelson

WITH the number of teams entered in the league increased to six the Executive were able to draw a fifteen game schedule. While some of the scores were rather one-sided the brand of basketball was quite good on the whole, and the games were well worth watching. The Electrics proved to be the class of the league by winning five straight games, while the Aero team took second place with four wins and one loss. The Farm Construction boys won the three-way playoff for third place, but lost out to Aero in a sudden death game in the semi-finals. Electrics took the cup by winning two straight games from Aero in the final round. The Electric team also played an exhibition game with Normal, and much to Tech's elation came out on the long end of a 31-24 score.

FINAL STANDING

Team	Won	Lost
Electrics	5	0
Aero	4	1
Farm Construction and Tractor	2	3
D.-P. (1)	2	3
D.-P. (2)	2	3
Motor	0	5

LINE-UP OF TEAMS

ELECTRICS — Kumlin, Taylor, Barnes, Sortome, Webb, Miller, Milgate, Larson, Hammond, Duke.

AERO — Moffat, Spencer, Truitt, Jackson, MacDonald, Shaw, Hodgson, Jeffcott, Swann, Howarth.

FARM CONSTRUCTION AND TRACTOR — Porter, Doenz, Williams, Knight, Study, Hironaka, Macintosh, Norbey.

D.-P. (1) — Owens, Skipper, Laidlaw, Lund, Barron, Crowder, Gunthorpe, D'Amico.

D.-P. (2) — Timms, Ward, Richmond, Jensen, Aldridge, Johnson, Thom.

MOTOR — Shnitka, McKee, Christenson, Lastikwa, Attridge, Emes, Higgins.

BADMINTON CLUB

President ---------- C. Millar
Secretary-Treasurer ---------- K. Tompkins

THE Badminton Club, functioning for its second year, again proved popular to only a small number of students. However, the members, numbering about fifteen, had a successful season and improved their play a great deal. The Wednesday afternoon and Saturday morning sessions produced some very interesting and hotly contested singles and doubles matches. It is hoped that next year, if facilities are available, a much larger number of students will take advantage of the opportunity to play this game, which is both enjoyable and beneficial to those participating.

OUR FIELD DAY

MAY 7th, 1940, was a red-letter day in the history of our institution. On that day was held one of the finest field events which we have yet witnessed. It is usual at an event of this kind for students to find a legitimate excuse for a visit to a show. Though this practice is frowned upon by those in high places, we must admit that it none the less exists. A student must express his cravings for liberty and the wide open spaces by a session with Gene Autry or Carole Lombard or any other of the stars that shimmer in the theatrical firmament. We are glad to say, however, that there was a first-rate attendance at Bowness, and that we encountered much enthusiasm among the contestants. And because we have often enjoined the students to demonstrate their "school spirit," we were agreeably surprised to find that the idea had caught on.

The morning began with a couple of strenuous sessions of baseball in the semi-finals for the school softball crown. It was our misfortune to be referee at one of these encounters. How we ever got out alive is one of those deep dark secrets that are beyond the acumen of man to solve. We must assure the Aero. Class that they have always been prime favorites with us, that we had neither gnats in the eyes or bats in the belfry, but called the balls as they came over. When the final strike was called the Motor Team was the winner by a score of 7 - 4.

The field day events at Bowness in the afternoon were keenly contested. In some, in fact, the marks set were considerably below those of previous years. Of this we are justifiably proud, since the track was heavy and sodden, and certainly not conducive to good results. Here are the winners:

Men's 100 Yard Dash	H. Laskoski—11.2 secs.
	D. H. Bowen
	A. A. Ducharme
Girls' 100 Yard Dash	M. F. Glazier
	M. Ellithorpe
	E. Helton
Men's Baseball Throw	W. E. Richmond
	R. Larsen
	W. G. Jenkin
Girls' Basketball Throw	L. E. Kane
	E. Helton
	M. Ellithorpe
Girls' 50 Yard Dash	M. F. Glazier
	M. Ellithorpe
	M. MacDonald
Men's 220 Yard Dash	H. Laskoski—24.8 secs.
	G. R. Taylor
	M. A. Campbell
Girls' Standing Broad Jump	M. F. Glazier
	E. Helton
	M. MacDonald
Men's Standing Broad Jump	W. E. Richmond
	G. R. Taylor
	R. Umback
Girls' Running Broad Jump	M. F. Glazier
	M. MacDonald
	E. M. Christensen
Men's Running Broad Jump	G. R. Taylor—18 ft. 6.5 ins.
	W. E. Richmond
	H. Laskoski
Men's 440 Yard Dash	H. Laskoski
	M. A. Campbell
	W. E. Roberts
Girls' Hop-Step-Jump	M. F. Glazier
	M. Ellithorpe
	E. M. Christensen
Men's Hop-Step-Jump	W. E. Richmond
	G. R. Taylor
	A. A. Ducharme

The team of Shaw and Jackson took the Men's Wheelbarrow. We interject here our unbounded admiration for "Skip's" agility. He looked as though he had been born a quadruped, instead of a dignified and sedate biped, which undoubtedly he is. The Girl's Three-Legged Race went to the Misses Glazier and Ellithorpe.

The Tug O'War was an innovation this year and well worth watching. Amidst the usual chorus of grunts and groans, the Riggers and Fitters came off with the ribbon, and the reputation of being the toughest men in the school.

Summarizing these events, Mr. Richmond, of Wireless, was individual champion among the men with 23 points; H. Laskoski, of Motor, was second with 21 points; anl G. R. Taylor, of Engine Fitters, was third with 14 points. Miss Glazier won the girls' individual with 30 points. Miss Ellithorpe and Miss Helton trailed her with 10 and 7 respectively. Finally, Motor won the Class Championship with 32 points; Wireless was second with 27 points; and Engine Fitters third with 14 points.

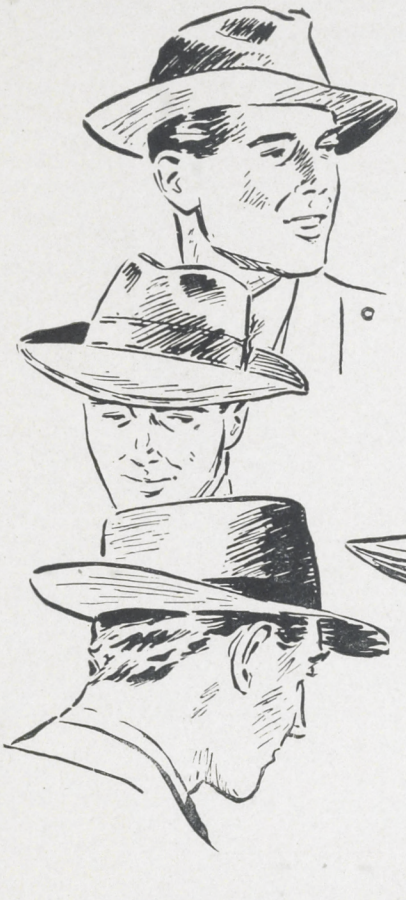
The meet was featured by excellent competition all the way. The fine jumping of Mr. Richmond and the excellent running of H. Laskoski were standouts. We can only say by way of conclusion that everybody enjoyed himself immensely. This was quite evident at the supper so tastefully prepared by the winsome Dressmakers, where even non-participants in the sports events showed their prowess by a concerted attack on the viands. We look forward in anticipation to next year's renewal of a traditional event!

N. SAFRAN

Ex-AERO: "When I kiss you like this I'm soaring through the clouds."

Ex-D.D.D.: "Then I hope you have a parachute, that's my husband at the door!"

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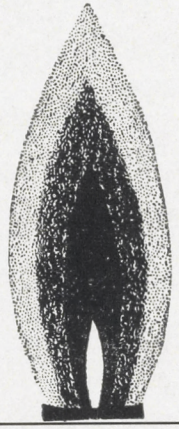
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DEFINITIONS

BOY: A noise with dirt on it.—*Punch.*

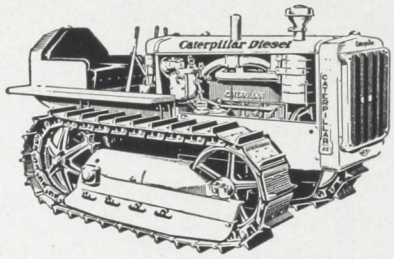
JEALOUSY: The friendship one woman has for another.
—*The Arcardians.*

HOME: The place in which we are treated the best and grumble the most.

CONSCIENCE: An inner voice that warns us somebody is looking.
—H. L. Mencken.

* * * *

A bachelor is a man who has taken advantage of the fact that marriage is not compulsory.



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DEFINITIONS

SAXOPHONE: An ill wind which nobody blows good.

DETOUR: The roughest distance between two points.

TELEPHONE BOOTH: A sort of vertical coffin where sweet dispositions are buried.—Ed Wynn.

MIDDLE AGED: A person ten years older than you are.

A LIE (small boy's version): An abomination to the Lord, and an ever present help in time of trouble.

ETC.: Sign used to make others believe you know more than you do.

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PATTER

"Nothing is said now that hath not been said before."
—Terence (Roman Dramatist, 185-158 B.C.)

There isn't much to talk about at some parties until after one or two couples leave.

To non-Nordics, Hitlerism is positively naziating.

Never go around with a married woman unless you can go two rounds with her husband.—Eddie Cantor.

* * * *

A woman with her hair combed up always looks as if she were going some place, either to the opera or the shower bath — depending on the woman—Orson Welles in *Vogue*.

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POTPOURRI

Archaeologists have excavated the thumb of a million-year-old woman. Perhaps if they dig a little deeper they will discover a million-year-old man under it.—*Punch,* London.

* * * *

A cynic is a man who knows the price of everything and the value of nothing.—*Cinémonde,* Paris.

* * * *

THE WISDOM OF THE HUMBLE

Lor', chile, when yuh ain't got an education, yuh jes'*got to* use yo' brains.—Quoted in *The Atlantic Monthly.*

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MONEY

Money assumes the character of its use. Ask a banker what money is and he will say it is a commodity — he buys and sells it. Ask the Secretary of the Treasury and he will say it is a force — he distributes it and observes that it makes the wheels of business go 'round.

Ask the harried young heiress what money is and she will tell you that it—is a curse—she never ceases to suffer notoriety, criticism, heartbreaks because of it. Ask the parish priest and he will say it is a blessing—he observes how charitable gifts of money relieve hunger and distress.

Thus, when all the dictionaries have been read, one is astounded to discover that no one can say what money is. Like electricity it defies description. We know what money does, what its effect is, what laws govern its use, what it will buy and what it will earn. But every human being's description of money must be different because every human being is different.—*Nation's Business.*

* * * *

CONTENTS NOTED

An old woman at the Ulster frontier was asked if she had anything to declare. No, nothing at all. But what was in the bottle? Oh, only holy water, holy water from Lourdes. The customs officer pulled the cork. "Whisky it is," said he. "Glory be to God!" cried the offender. "A miracle!"

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PATTER

He took misfortune like a man — blamed it on his wife.
—*Ventura Star, Free Press.*

A bore is a fellow who opens his mouth and puts his feats in it.
—N.W. in *The Saturday Evening Post*

Gossip columnists are the spies of life.—*Skiff Comic Magazine*

. . . A woman should hold on to her youth. But not when he's driving.

HOLLYWOOD: The land of yes men and acqui-yes girls.
—Dorothy Parker.

OVERHEARD COMMENT ON MODERNISTIC ARCHITECTURE: It's my pet abhortion.

DEFINITION OF INTOXICATION: To feel sophisticated and not be able to pronounce it.—*Columbus Reporter.*

SCHOOLBOY WISDOM (from an examination paper): A passive verb is one in which the subject is the sufferer, such as, "He was married to her."

WHEN CRITICS CRACK THE QUIP (Comment on De Mille's production of "The Buccaneer," starring Frederic March): A run of De Mille picture . . . March comes in like a lion and goes out like a ham.—Frank Nugent in *N.Y. Times.*

* * * *

Experience is not what happens to a man. It is what a man does with what happens to him.—Aldous Huxley.

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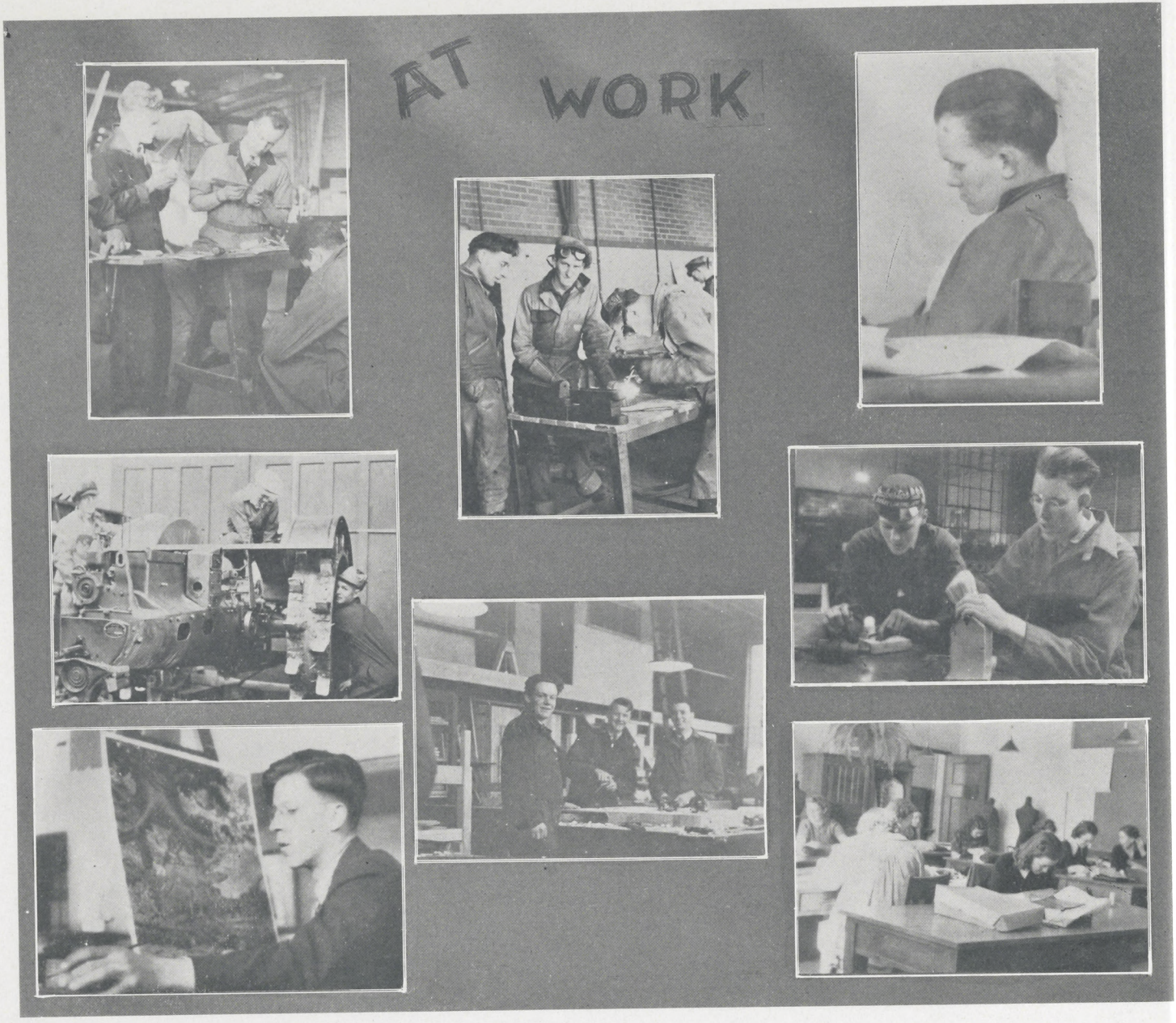
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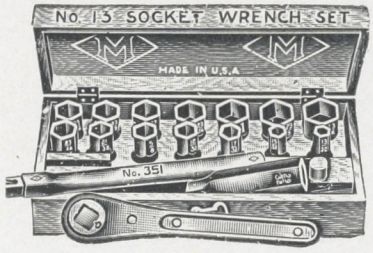
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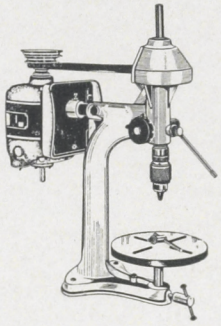
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